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corporation

EPA Region 5 Records Ctr.



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August 27, 1992

Mr. Paul Steadman  
On-Scene Coordinator  
Emergency Response Branch  
U. S. Environmental Protection Agency  
Region V  
77 W. Jackson Boulevard  
Mail Stop HSE-5J  
Chicago, Illinois 60604

RE: C.R. 10 Landfill Site  
Elkhart, Indiana  
Emergency Removal Report

Dear Mr. Steadman:

Enclosed please find two copies of the report for the efforts conducted in the vicinity of Test Pit TL-5 at the above referenced site. The report covers the drum removal activities conducted in May 1992 and the extent of contamination survey performed in June 1992.

As indicated in this report, an addendum with additional disposal paperwork will be forthcoming. If you have any questions, please do not hesitate to call.

Sincerely,

MITTELHAUSER CORPORATION

David M. Curnock  
Midwest Environmental Manager

1044bt  
Enclosures  
cc: C. Himes  
R. Paulen

## **Immediate Removal Action Summary Report**

For

**COUNTY ROAD 10 LANDFILL**  
Elkhart, Indiana

*Prepared for:*

**USEPA REGION V**  
**EMERGENCY RESPONSE BRANCH**  
Mr. Paul Steadman, On-scene Coordinator

*Pursuant to:*

*General Notice of Liability, May 12, 1992*

*Prepared by:*

**MITTELHAUSER CORPORATION**  
1240 Iroquois Drive, Suite 102  
Naperville, Illinois 60563

Project No. 1044.03

August 27, 1992

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**SECTION 1**

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1.0        INTRODUCTION

1.1        BACKGROUND

On May 12, 1992, the United States Environmental Protection Agency (USEPA), Region V, issued a General Notice of Liability letter to the identified Potential Responsible Parties (PRPs) regarding the County Road 10 Landfill site (a.k.a. Himco Dump) located in Elkhart, Indiana. The letter indicated that immediate action was required to abate any releases or potential releases of contaminants from the facility. PRPs were offered the opportunity to fund or perform the necessary immediate action in lieu of response actions by USEPA. The necessary response actions identified in the Notice of Liability were: to excavate the ditch (TL5 test pit) near the center of the southern margin of the former landfill; to remove and dispose of excavated solvents and drummed waste; and to perform an extent of contamination survey in that area of the former landfill.

The Notice of Liability and immediate response action letter was motivated by the discovery of apparent separate-phase product and drums by USEPA-contracted investigators in the southeast corner of the TL5 test pit excavation on September 13, 1991. Analyses of liquid samples collected from the trench identified a limited number of aromatic hydrocarbons and ketones as the primary waste constituents. The trench was backfilled following sample collection, and its location was marked with survey stakes.

In voluntary cooperation with the General Notice of Liability, Himco Waste-Away Services, Inc. (Himco) of Elkhart, Indiana, contracted Mittelhauser Corporation (Mittelhauser) to conduct the required immediate response actions. A removal action work plan was prepared by Mittelhauser and submitted in person to USEPA Emergency Response Branch on May 15, 1992. Verbal approval of the work plan was granted at that time, and at the request of the USEPA Emergency Response Branch, removal action work commenced on May 19, 1992. In correspondence dated May 18, 1992, supplemental information was requested by USEPA subsequent to the USEPA's review of the removal action work plan. Conditional approval of the work plan was granted in the May 18, 1992 correspondence, pending receipt of the requested information. Mittelhauser submitted the requested information to USEPA in correspondence dated June 2, 1992.

1.2        PURPOSE

This report describes the activities and results of the immediate response actions conducted at the TL5 test pit area of

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the County Road 10 Landfill site, Elkhart, Indiana. The immediate response actions described in this report include: the procedures and results associated with the exhumation of buried drums and the recovery of solvent product from the TL5 test pit area; methods and results of a limited extent of contamination survey in the TL5 area; and the disposal methods and documentation for wastes generated during the removal action. Photographic documentation of the removal action activities is provided as Appendix A to this report.

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2.0 IMMEDIATE REMOVAL ACTION

During May 19 to 22, 1992, the TL5 test pit area was excavated, buried drums and solvent product were recovered from the excavation, and the wastes were staged for subsequent offsite disposal. The response actions were conducted in accordance with the Immediate Removal Action Work Plan, dated May 15, 1992. Site-specific conditions unknown prior to work plan preparation resulted in some field modifications to the work plan, which were approved by Mike Duet, USEPA oversight contractor.

2.1 REMOVAL ACTION MOBILIZATION/COORDINATION

On May 19, 1992, the initial site activities consisted of mobilization, orientation, and equipment staging. Laidlaw Environmental Services (Laidlaw) of Pecatonica, Illinois, was contracted by Mittelhauser to provide equipment and labor for the removal action. A representative of Mittelhauser was present as the onsite coordinator throughout the removal action. Mr. Michael Duet, Metcalf and Eddy, Inc., was present during the removal action and extent of contamination survey as the oversight representative for USEPA.

Other agency representatives present during portions of the removal action are listed below:

Paul Steadman	USEPA, Region V, Emergency Response Branch, On-scene coordinator.
Mary Elaine Gustafson	USEPA, Region V, Superfund Section, Remedial Project Manager.
Kirsten Evelkruege	Ecology & Environment, USEPA Technical Assistance Team (TAT).
James Smith	Indiana Department of Environmental Management (IDEM), Office of Environmental Response, Superfund Section, Project Manager.
Ken Gill	IDEM, Office of Environmental Response, Geology Section.
Geoff Downie	Elkhart County Health Department.

A staging area for equipment and overpack containers was established on top of the former railroad berm immediately north

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of and overlooking the TL5 test pit area. The berm trends approximately east-west and accounts for approximately 5 to 6 feet of relief. The staging area measured approximately 30 feet by 30 feet. The ground surface within this area was covered with 6-mil polyethylene sheeting. A roll-off box was placed on either side of the staging area. The roll-off boxes were used to store recovered drums, prior to offsite disposal.

The Laidlaw crew consisted of one equipment operator, two laborers for drum handling, etc., and a crew foreman/equipment manager. The work activities were supervised from the staging area by the Laidlaw foreman and the Mittelhauser onsite coordinator. The foreman, equipment operator, and one laborer were in constant 3-way radio contact.

## 2.2 DRUM EXCAVATION AND WASTE RECOVERY

### 2.2.1 Drum Removal

A Caterpillar EL 300 was used to excavate the TL5 test pit area. The excavator was initially positioned to begin the excavation at the southeast end of the TL5 test trench and work to the south and east. Two Laidlaw employees worked close to the bucket at all times to direct the track hoe operator and to provide manual labor for drum recovery and product recovery.

Organic vapor monitoring was performed in the field with a photoionization detector (PID). Organic vapors were not detected as the grass cover was initially broken. Removal of additional soil exposed refuse (wood and plastic debris) at a depth of approximately 1 foot below grade. At a depth of approximately 1.5 feet, corroded steel drums were encountered. Laidlaw personnel also observed liquids several feet below grade in cavities surrounding the drums. PID readings taken within the cavities reached 3,500 ppm.

The buried drums were systematically exposed by removal of refuse/overburden with the track hoe bucket. The drums were then further exposed by manual digging; Laidlaw personnel then secured lift straps and clamps to the exposed drum lids. The drums were then lifted from the excavation with the track hoe arm. Recovered drums that were empty were placed on a temporary, lined staging area. Recovered drums that contained waste material were placed into 85-gallon overpack drums temporarily staged at the edge of the excavation. The empty drums were later staged in a lined roll-off box. The overpack drums were lifted from the edge of the excavation to the general staging area.

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#### 2.2.2 Description of Drums

The majority of the drums were submerged or partially submerged in groundwater when encountered. The water table maintained a level of approximately 3 to 3.5 feet below surface grade. Drums encountered in contact with groundwater were observed to be perforated, due to corrosion. The perforations generally ranged in size between 0.25-inch to 4-inch dimensions. The condition of the drums ranged from sparsely perforated to extremely perforated and fragmented. The few drums recovered from above the static water level were generally less corroded and in fair condition.

Most drums appeared to have been at least partially crushed prior to the removal action, and some were totally crushed. The drums that were encountered were positioned in random, overlapping orientations. The drums were recovered from a small but continuous area, generally between the depths of 1.5 to 5 feet below grade.

The drums were buried in refuse materials consisting primarily of plywood panelling, other scrap wood, masses of transparent tape, masses of paper/pulp material, and scrap asphaltic roofing materials.

The excavation process resulted in damage to some drums. The damage was unavoidable as a result of the overall poor condition of the drums, the type of refuse encountered, the overlapping and random orientation of the drums, and the occurrence of many drums beneath the shallow water table surface.

#### 2.2.3 Description of Drum Contents

In general, the submerged drums were completely, or nearly completely, filled with groundwater as they were encountered. Product was observed in some drums or to emanate from the drums as a surface layer on the groundwater. Floating product was often observed to emanate from partially submerged, corroded drums and cavities in the walls of the excavation. The cavities were void spaces between drums and refuse material. Product had apparently accumulated where the water table intersected the void spaces.

Two types of liquid product were observed during the removal action: a slightly yellow, clear liquid and a dark red/brown liquid. Each liquid had a definite solvent odor. PID readings above the liquids attained values of up to 3,500 ppm. Drums containing liquid product were either recovered and placed into 85-gallon overpack drums or were emptied of their product.

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in-situ by use of a vacuum pump. Several drums containing significant product volume were damaged during excavation and their contents were released into the excavation. This product was recovered by vacuum pumping the material from the surface of the water table before continuing with additional excavation.

The majority of drums recovered during the removal action were empty, perforated 55-gallon drums. Several fragments and drum halves were also recovered. Several of the drums that were recovered and staged as empty drums contained small amounts of solidified paint waste. One 33-gallon drum contained a viscous asphaltic product. Two other drums contained crushed clay drain tiles and used rags. Nine drums containing liquid and solid solvent and paint waste were recovered and placed into 85-gallon overpack containers.

Five reconditioned 55-gallon, 17H open top drums, supplied by Laidlaw, were filled with paint sludge, solvent, soil, contaminated protective clothing, plastic sheeting, and miscellaneous contaminated debris that was generated during the drum removal and staging activities. An inventory of the wastes generated during May 19 to 22, 1992 is provided in Table 1.

#### 2.2.4 Product Recovery

Several methods were used to recover product during the removal action. Floating product was periodically recovered from the excavation by bailing or pumping (air diaphragm pump and/or vacuum pump). When possible, product was recovered from drums in-situ by inserting a vacuum pump intake nozzle into the drum through a perforation and skimming from the surface to remove the product from the drum. Prior to the arrival of the tanker truck, recovered liquid product was pumped into reconditioned 55-gallon, 17H open top drums. Liquids were pumped directly into the tanker subsequent to its arrival onsite. Included in Table 1 are 14 reconditioned 55-gallon drums supplied by Laidlaw that were used initially to contain the recovered liquid wastes. These drums were later emptied by pumping their contents to the tanker truck.

Relatively intact drums containing product were placed into overpack drums when possible. If the drums could not fit the overpack, the liquid contents were collected into the overpack and then pumped to the tanker.

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## 2.3 REMOVAL ACTION COMPLETION/DEMobilIZATION

### 2.3.1 Extent of Removal Action Excavation

On Thursday, May 21, 1992, excavation activities were concluded after additional excavation failed to encounter any additional drums. At the request of Mr. Duet, the excavation was enlarged along its perimeter as a confirmatory measure. No further drums were encountered nor was product observed from the newly exposed walls of the excavation. Residual floating product was skimmed from the groundwater surface and pumped to the tanker. The approval to backfill the excavation was granted by Mr. Duet under authority of USEPA Emergency Response Branch. The excavation was backfilled to attain its original grade.

The attached site map (Figure 1) shows the location of the TL5 test pit area and the approximate location and dimensions of the removal action excavation. The excavation attained an overall dimension of approximately 35 feet by 35 feet. The edges of the excavation were oriented approximately north-south and east-west. At any given time, the open excavation was no larger than approximately 15 feet by 15 feet. Drums were encountered at depths between 2 and 5 feet below grade. The maximum depth of the excavation was approximately 7 feet. The materials encountered at depths greater than 4 or 5 feet consisted primarily of 1/4-inch plywood sheets. Sand was encountered at approximately 7 feet. Fine grained geologic materials (clay and silt) were not encountered in the excavation.

### 2.3.2 Demobilization

Demobilization activities consisted of drum labeling, profiling, and sampling by Laidlaw personnel. The overpack drums and 55-gallon reconditioned drums containing removal action waste were staged in a lined roll-off box. The empty drums recovered during the removal action were staged in another lined roll-off box. Both roll-off boxes were covered with tarps and remained onsite prior to offsite disposal.

Equipment decontamination consisted of decontaminating the bucket of the track hoe using a detergent wash, scrub brushes, and a rinse. Decontamination water was contained and placed into the hazardous waste tanker. The tracks of the excavator were scraped clean of adhering soil. Equipment decontamination was performed to the satisfaction of USEPA oversight personnel.

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2.4 WASTE INVENTORY

An inventory of the drums recovered during the removal action and staged prior to demobilization is presented in Table 1. Each overpack drum and reconditioned drum containing waste generated during the removal action was labeled with waste profile information by Laidlaw personnel during the staging of the drums. Drums were segregated into groups according to similar profiles and were sampled by Laidlaw personnel for transport and disposal purposes. Later site activities (July and August 1992) resulted in the generation of additional drummed materials not included in Table 1. Those activities and materials are discussed in Section 4 of this report.

TABLE 1

INVENTORY OF MATERIAL GENERATED  
DURING THE TL5 TEST PIT AREA REMOVAL ACTION  
MAY 19 TO 22, 1992  
(Page 1 of 5)

I. EMPTY DRUMS RECOVERED AND STAGED IN LINED ROLL-OFF BOX

<u>DESCRIPTION OF RECOVERED DRUM</u>	<u>CONTENTS (1)</u>	<u>NO. OF DRUMS</u>
Bunged, corroded, perforated, partially crushed, 55-gal closed top	Solid light blue sludge, residual	4
Bunged, corroded, perforated, partially crushed, 55-gal closed top	Solid light green sludge, residual	1
Bunged, corroded, perforated, partially crushed, 55-gal closed top	Solid light tan sludge, residual	3
Bunged, corroded, perforated, partially crushed, 55-gal closed top	Solid light red sludge, residual	1
No lid, corroded, perforated, partially crushed, 55-gal	Clay drain tile, trash	1
Semi-intact, 55-gal open top, open bung, large gash	Sludge residue	1
Semi-intact, 33-gal	Viscous tar-like material, full	1
Bunged, corroded, perforated, labeled "Toluene/Tolual"	Empty	2
Bunged, perforated, partially crushed, painted green, paint drippings on drum exterior	Empty	3
Bunged, perforated, crushed, w/stir rod	Empty	1

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TABLE 1

INVENTORY OF MATERIAL GENERATED  
DURING THE TL5 TEST PIT AREA REMOVAL ACTION  
MAY 19 TO 22, 1992  
(Page 2 of 5)

I. **EMPTY DRUMS RECOVERED AND STAGED IN LINED ROLL-OFF BOX**  
(continued)

<u>DESCRIPTION OF RECOVERED DRUM</u>	<u>CONTENTS (1)</u>	<u>NO. OF DRUMS</u>
Open bungs, perforated, crushed, w/stir rod, 55-gal	Empty	1
Open bungs, perforated, crushed, 55-gal	Empty	1
Open end, corroded, perforated, 55-gal	Rags, debris	1
Bunged, partially crushed, corroded, perforated, 55-gal closed top	Empty	25
Plastic bungs, crushed, perforated	Empty	1
Very corroded and very perforated, 55-gal; includes 2 partial drums (fragments)	Empty	12
TOTAL (empty drums including drum fragments):		59 =====



TABLE 1

INVENTORY OF MATERIAL GENERATED  
DURING THE TL5 TEST PIT AREA REMOVAL ACTION  
MAY 19 TO 22, 1992  
(Page 3 of 5)

II. INVENTORY OF MATERIAL DRUMMED INTO 85-GALLON OVERPACK DRUMS

<u>DESCRIPTION OF RECOVERED DRUM</u>	<u>CONTENTS (2)</u>	<u>NO. OF DRUMS</u>
Semi-intact, rusted	Paint drum w/10% liquid, 90% solid	1
Semi-intact, rusted	Solid paint drum, 80% paint solids, 20% soil	1
Semi-intact, rusted	Paint drum w/solvents 40% liquid, 60% solid	4
Semi-intact, rusted	Solid paint drum w/solvent and soil	1
Semi-intact, rusted	Solid paint	1
Semi-intact, rusted	Solid paint drum w/solvents	1
TOTAL (85-gal overpack drums):		<u>9</u> =====

TOTAL DRUMS RECOVERED (including drum fragments)

Total (empty drums including drum fragments)....	59
Total (85-gal overpack drums).....	9

TOTAL: 68

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TABLE 1

INVENTORY OF MATERIAL GENERATED  
DURING THE TL5 TEST PIT AREA REMOVAL ACTION  
MAY 19 TO 22, 1992  
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III. INVENTORY OF MATERIAL DRUMMED INTO 55-GAL 17H DRUMS

<u>DESCRIPTION OF CONTENTS</u>	<u>NO. OF DRUMS</u>
Paint sludge, 90% solids 10% liquid (3)	1
Tyvek/protective clothing contaminated w/paint solvents (4)	2
Plastic debris w/paint solvent solids (4)	1
Soil and debris contaminated w/paint solvent	1
Empty; last contained paint solvent waste (5)	14
	<hr/>
TOTAL (55-gal 17H drums):	19
	=====

TABLE 1

INVENTORY OF MATERIAL GENERATED  
DURING THE TL5 TEST PIT AREA REMOVAL ACTION  
MAY 19 TO 22, 1992  
(Page 5 of 5)

IV. SUMMARY

TOTAL NUMBER OF DRUMS RECOVERED  
OR GENERATED DURING MAY 19 - 22, 1992

Total (empty drums including drum fragments).....	59
Total (85-gal overpack drums).....	9
Total (55-gal 17H drums).....	19

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TOTAL NUMBER OF DRUMS:	87
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APPROXIMATE VOLUME OF LIQUID WASTE IN TANKER  
(Solvent waste and contaminated groundwater)..... 1,200 GALLONS

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FOOTNOTES

- (1) Describes the contents of the drums as staged in the roll-off box. An estimated 10 - 15 of these drums initially contained liquid product that was recovered by draining, bailing, or pumping into reconditioned drums and/or the tanker truck.
- (2) Describes wastes in recovered drums.
- (3) Contents of these drums recovered by draining, bailing, and/or shovelling liquids, solids, and semi-solids from recovered drums.
- (4) Investigation derived wastes (protective clothing, plastic sheeting, etc.) drummed in reconditioned 55-gal 17H open top drums supplied by Laidlaw.
- (5) Product recovered from excavation was originally placed in 14 reconditioned 55-gal 17H open top drums supplied by Laidlaw. The contents of drums were later transferred to hazardous waste tanker truck and are accounted for in the tanker waste volume estimate (1,200 gallons).

**SECTION 3**

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### 3.0 EXTENT OF CONTAMINATION SURVEY

#### 3.1 METHODS/PROCEDURES

On June 4, 1992, a limited extent of contamination survey was conducted in the area of the TL5 test pit. The survey consisted of field screening and sample collection of subsurface materials at the seven locations shown in Figure 1. At each location, a soil boring was advanced using decontaminated hollow stem augers. Continuous split spoon samples were collected to the water table. Split spoons were decontaminated prior to each sample collection using detergent solution wash and multiple rinse. After the recovery of each split spoon, the sample core was screened for photoionizable constituents indicative of volatile organic compounds (VOCs) using an HNU photoionizing detector with 10.2 eV probe.

Based on the gross HNU scan, site geology, and visual criteria, a two-sample complement was collected from each split spoon sample. One portion of the two-sample complement was collected for a field headspace screening with the HNU, and the other portion was stored in an ice chest, chilled, and reserved for possible laboratory analysis. The results of the headspace analyses assisted in determining which samples were submitted for laboratory analysis.

The sample exhibiting the maximum headspace reading per boring was selected for laboratory analysis of VOCs according to USEPA Publication SW-846 Method 8240. As an exception, sample SB2-1 was submitted for laboratory analysis although sample SB2-3 exhibited a higher headspace reading. Split spoon recovery of sample SB2-3 was poor, consisting of only a trace amount of wood material. All samples were submitted to NET Midwest, Inc. of Bartlett, Illinois.

The soil boring locations, field and headspace measurements, and selection of samples for laboratory analysis were conducted with the approval of Mike Duet, USEPA oversight contractor. Also in attendance during the soil sampling activity were Paul Steadman, USEPA, and Kirsten Evelkrue, E & E TAT.

#### 3.2 RESULTS AND DISCUSSION

##### 3.2.1 Field Screening

Sample collection information and results of the field and headspace screening analyses are summarized in Table 2. The field scan and headspace data is limited to a narrow, uniform range of low values, and indicates minor levels of VOC

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constituents in the soils. There were no solvent odors detected from the augers or from the samples at any boring location. The data does not indicate any area of gross contamination.

### 3.2.2 Laboratory Analytical Results

The results of the laboratory analyses are summarized in Table 3. Appendix B contains the laboratory analytical reports. The results indicate that the following VOCs were detected in at least one soil sample: 1,3-dichlorobenzene; 1,1-dichloroethane; ethylbenzene; toluene; and xylenes. Of these compounds, 1,1-dichlorobenzene was detected only in sample SB3-3, and toluene was detected only in sample SB4-3.

In general, the concentration levels of the compounds detected were higher in samples collected nearest the Removal Action excavation (SB1, SB2, SB3, and SB7), and were significantly lower at the outer perimeter locations (SB4, SB5, and SB6). No VOCs were detected in samples SB5-5 and SB6-4. Soil boring SB7 was performed at the location of the TL6 test pit, which is approximately 100 feet southwest of the TL5 area. Xylene and ethylbenzene were detected in sample SB7-2, at concentrations of 930 ug/kg and 9.7 ug/kg, respectively. Nondetection of VOCs at the SB6 location indicates, however, that the TL6 area is not likely a point source area of contamination.

### 3.2.3 Field Observations

The split spoon core samples indicated that landfilled refuse materials were absent at the SB4, SB5, and SB6 locations. At these locations, the upper 5 feet consisted of fill sand or reworked sand, containing trace quantities of small debris. Native soil was encountered at approximately 5 feet, as evident by plant roots, peat, and lack of debris.

At boring locations SB1, SB2, and SB3, trash/refuse was encountered between the depths of approximately 2 and 6 feet. The refuse material was observed to consist primarily of scrap wood. Minor amounts of miscellaneous trash and debris were encountered in boring SB7 to a depth of approximately 6 feet. Native sand was encountered in the 6 to 8 foot depth interval in soil boring SB7.

At boring locations SB1, SB2, and SB3, groundwater was encountered at depths of approximately 3 feet below ground surface. Groundwater was encountered at the SB4, SB5, SB6, and SB7 at approximately 6 to 7 feet below ground surface. The higher water table elevation encountered at SB1, SB2, and SB3 may be due to ponding within the refuse material. The ground surface elevation was approximately equal at each boring location;

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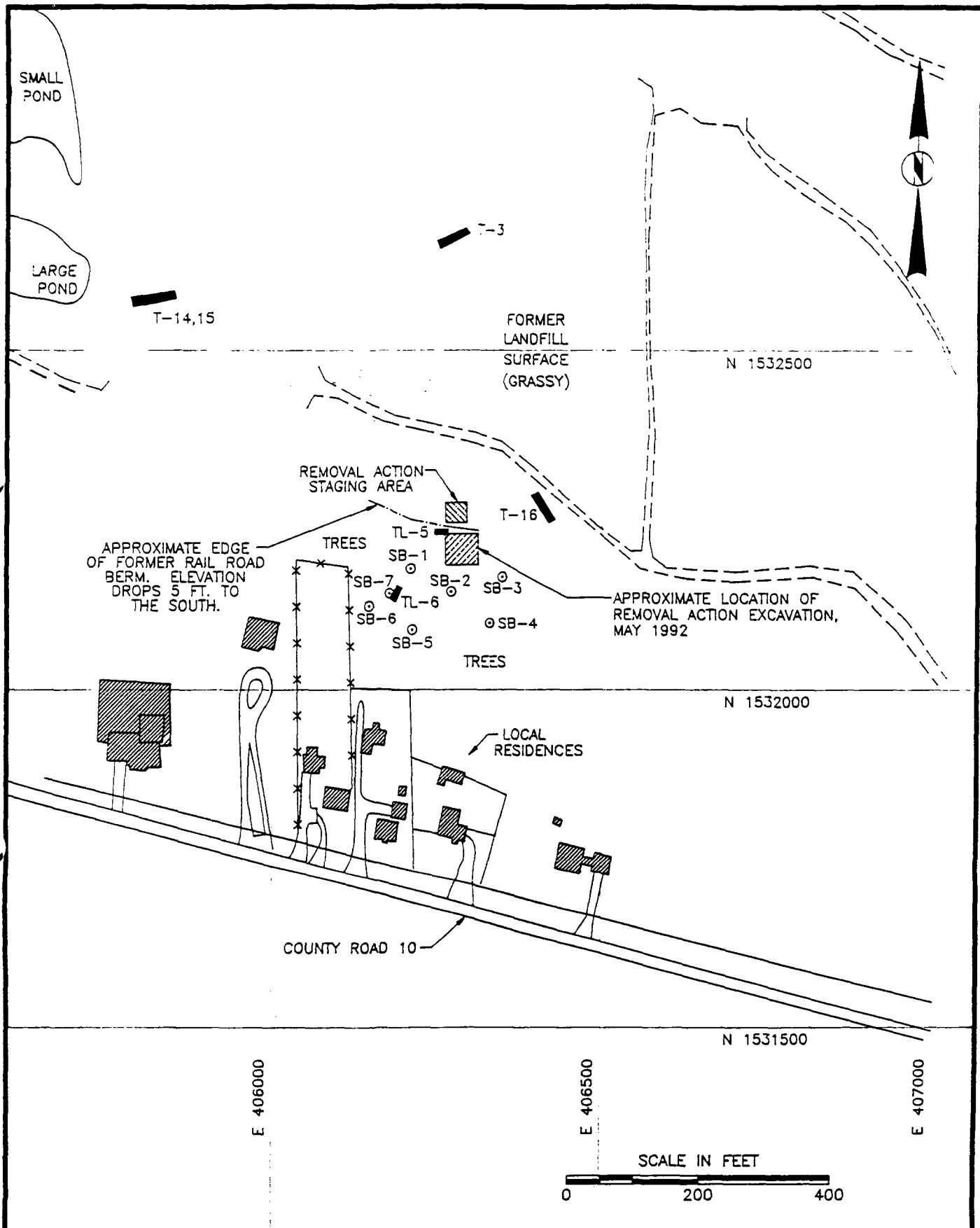
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therefore, the difference in water table elevation is probably not a result of topographical variation.

### 3.3 CONCLUSION

The occurrence and distribution of VOCs detected in the soil sample results indicate that minor, residual soils contamination exists in a limited area generally south of the TL5 test pit area. The fill sand in that area may have come in contact with solvent waste during past drum disposal and grading activities. The analytical data, in conjunction with the southeasterly direction of groundwater flow, indicates that an additional point source area of groundwater contamination is not present in the area covered by the study.



LEGEND		NO.	DATE	REV. BY	REVISIONS	ENG.	TRB	IMMEDIATE REMOVAL ACTION MAY - JUNE, 1992 CR 10 LANDFILL ELKHART, IND.
SB-1	SOIL BORING LOCATION (MITTELHAUSER, JUNE 1992)						CHK. BY TRB	
TL-5	FORMER TEST PIT LOCATION (BY OTHERS)						DRAWN RGW	
							DATE 6-7-92	
							SCALE AS SHOWN	
							CAO NO. 1044301B	 MITTELHAUSER corporation Figure 1
							PRJ NO. 1044.3-1	



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TABLE 2

SAMPLE COLLECTION INFORMATION AND FIELD SCREENING RESULTS  
LIMITED EXTENT OF CONTAMINATION SURVEY  
JUNE 4, 1992

SAMPLE	SAMPLE DEPTH (FT)	PID READING (PPM)		REMARKS
		SCAN	HEADSPACE	
SB1-1	0-2	5	8	Sand.
1-2	2-4	-	-	Refuse; no recovery.
1-3	4-6	5	14	Sand, saturated.
* 1-4	6-8	5	16	Sand, saturated.
*SB2-1	0-2	5	11	Sand.
2-2	2-4	-	-	Refuse; no recovery.
2-3	4-6	-	25	Water w/trace refuse.
SB3-1	0-2	3	9	Sand.
3-2	2-4	2	6	Sand w/refuse, sat.
* 3-3	4-6	130	20	Sand/peat.
SB4-1	0-2	5	8	Sand.
4-2	2-4	7	10	Sand w/refuse, sat.
* 4-3	4-6	2	10	Refuse over sand.
SB5-1	0-2	1	11	Sand.
5-2	2-4	3	11	Sand.
5-3	4-6	1	10	Sand.
5-4	6-8	1	11	Sand.
* 5-5	8-10	2	11	Sand, saturated.
SB6-1	0-2	3	11	Sand.
6-2	2-4	3	9	Sand.
6-3	4-6	1	10	Sand.
* 6-4	6-8	1	10	Sand, saturated.
SB7-1	0-2	10	12	Sand w/refuse.
* 7-2	2-4	10	15	Sand w/refuse.
7-3	4-6	7	11	Sand w/refuse.
7-4	6-8	3	11	Sand, saturated.

\* Submitted for laboratory analysis.

TABLE 3  
CR 10 LANDFILL  
EXTENT OF CONTAMINATION SURVEY  
SOIL SAMPLE ANALYTICAL RESULTS: 6/4/92

Sample Collection Information and Parameters	SB1-4	SB1-4D	SB2-1	SB3-3	SB4-3	SB5-5	SB6-4	SB7-2		
<u>Date: 6/4/92</u> <u>Depth (ft)</u>	6-8'	6-8'	0-2'	4-6'	4-6'	8-10'	6-8'	2-4'		
<b><u>Compound Detected (ug/kg)</u></b> <b><u>Volatile Organics</u></b>										
1,1-Dichloroethane	<5U	<5 U	<5 U	110	<5 U	<5 U	<5 U	<5 U		
Toluene	<5U	<5 U	<5 U	<5 U	8.4	<5 U	<5 U	<5 U		
Ethylbenzene	11	23	<5 U	340	34	<5 U	<5 U	97		
Xylenes (total)	54	170	12	1600	37	<5 U	<5 U	930		
1,3-Dichlorobenzene	8.5	10	29	<5 U	<5 U	<5 U	<5 U	<5 U		

SECTION 4

C.R. 10 Landfill  
Removal Action  
Elkhart, IN

4-1

August 1992  
1044BL

4.0 WASTE DISPOSAL DOCUMENTATION

4.1 DISPOSAL OF EMPTY DRUMS

On July 24, 1992, 57 empty drums, plus drum fragments, were transported from the site by American Waste Haulers, Inc., Maywood, Illinois, to American Waste Processing, Ltd., Maywood, Illinois. In accordance with 40 CFR 261.7, these drums (plus fragments) were managed for transport and disposal as non-hazardous, empty drums. A copy of the American Waste Processing Generic Non-hazardous Waste Stream Permit is included in Appendix C. Also included in Appendix C is a copy of the Illinois Uniform Waste Manifest under which the empty drums were transported.

The 57 drums, plus fragments, were those staged on May 22, 1992 in one of two lined roll-off boxes (see Table 1), as previously discussed. During the removal action, these drums were considered to be essentially empty and did not warrant overpacking. However, several of these drums did contain some paint waste solids at the time of recovery and staging. On July 23, 1992, each drum recovered during the removal action (but not overpacked) was inspected by Mittelhauser and American Waste personnel. Those drums found to contain waste materials were cut open, and the contents were manually transferred into a reconditioned 55-gallon 17H DOT drum. The total number of empty drums recovered from the excavation shown in Table 1 and the waste manifest (Appendix C) differ only because American Waste did not count two partial drums in their inventory, although those fragments were transported with the 57 intact drums.

As a result of cleaning the drums on July 23, 1992, five additional 55-gallon drums of paint waste solids, contaminated debris and soil, protective clothing, and plastic sheeting were generated. At that time, the 33-gallon drum containing the asphalt product (Table 1) was also overpacked in one of the reconditioned 55-gallon drums, and one drum containing paint waste solids and semi-solids was placed into an 85-gallon overpack drum. The wastes drummed on July 23, 1992 (5 @ 55 gallons; 1 @ 85 gallons) were placed in the second roll-off box containing the other drummed wastes staged May 22, 1992.

The empty drums were shredded at the American Waste facility and later sold to Cozzi Iron & Metal, Inc., Chicago, Illinois, for smelting and metals recycling. A copy of the American Waste Certificate of Disposal for the destruction of the empty drums is included in Appendix C.

C.R. 10 Landfill  
Removal Action  
Elkhart, IN

4-2

August 1992  
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#### 4.2 DISPOSAL OF TANKER WASTE

The liquid solvent waste and contaminated groundwater that was recovered during the removal action and pumped into the tanker was managed for transport and disposal as an F005 listed hazardous waste (40 CFR 261.31). Waste sample analytical results of the 1991 USEPA investigation were used to profile the wastes recovered during the removal action. Tanker waste profile information is included in Appendix D.

The tanker containing the solvent waste remained onsite until August 3, 1992. At that time, a second, empty tanker was delivered to the site, into which the wastes in the original tanker were transferred. The wastes were then transported by Laidlaw to their Reidsville, North Carolina storage facility under Illinois Uniform Hazardous Waste Manifest (Appendix D). The empty tanker remained onsite for later pickup.

The tanker waste was re-manifested at the Laidlaw Reidsville facility, at which time Laidlaw assumed the title of waste generator (see Appendix D). On August 5, 1992, the waste was transported in the tanker to the designated Laidlaw disposal facility [a.k.a. Thermal Oxidation Corporation (TOC)] in Roebuck, South Carolina, where the waste was incinerated. A certificate of waste destruction was not available from Laidlaw at the time of this report, but will be provided as a report addendum as soon as the paperwork is processed.

#### 4.3 DISPOSAL OF DRUMMED WASTE

On August 10 and 11, 1992, Mittelhauser and Laidlaw personnel removed the final inventory of removal action wastes from the site. The drummed wastes and empty reconditioned drums that had been staged in the second roll-off box since May 22, 1992, were inventoried, appropriately labelled, and transferred to a Laidlaw transport vehicle. The six drums generated on July 23, 1992 during the drum cleaning activities described in Section 4.1 were also managed at that time for offsite transport and disposal. In addition to the 14 empty drums that were used during the removal action for temporary storage of solvent waste, two reconditioned empty drums that had not been used for any purpose during the removal were manifested for offsite transport. One final drum of waste was generated on August 11, 1992, consisting of residual waste liquid from the Laidlaw tanker that was emptied August 3, 1992 (Section 4.2).

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C.R. 10 Landfill  
Removal Action  
Elkhart, IN

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August 1992  
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The inventory of wastes and drums removed from the site on August 11, 1992 is summarized as follows:

Drums Generated during Removal Action; May 1992

9 drums      85-gallon overpack drums; 3 of these drums  
                 were overpacked into 110-gallon drums on  
                 August 10, 1992

5 drums      55-gallon reconditioned 17H drums

Drums Generated from Cleaning Empties; July 1992

5 drums      55-gallon reconditioned 17H drums

1 drum      85-gallon overpack drum

Empty Drums

14 drums      55-gallon reconditioned 17H drums; last  
                 containing paint solvent waste

2 drums      55-gallon reconditioned 17H drums; unused  
                 during removal action

Drums Generated by Removing Tanker Residual; August 1992

1 drum      55-gallon reconditioned 17H drum

The 37 drums described above were removed from the site by Laidlaw on August 11, 1992, and transported to the Laidlaw TSD facility in Pecatonica, Illinois. The 16 empty drums were managed as non-hazardous empty drums. The drummed wastes were managed as F005 listed hazardous waste. A copy of the Illinois Uniform Hazardous Waste Manifest under which the drums were transported to the Laidlaw Pecatonica facility is included in Appendix E.

The drummed wastes were re-manifested at the Laidlaw Pecatonica facility on August 14, 1992, at which time Laidlaw assumed the title of waste generator (see Appendix E). The drummed wastes were then transported by J.B. Hunt Transport, Inc. to Marine Shale Processors, Inc., located in Morgan City, Louisiana, for incineration. A copy of the Louisiana Uniform Hazardous Waste Manifest under which the drummed wastes were

C.R. 10 Landfill  
Removal Action  
Elkhart, IN

4-4

August 1992  
1044BL

transported to Marine Shale is included in Appendix E. The waste shipment to Marine Shale also included wastes unrelated to the County Road 10 Landfill site. At the time of this report, Certificates of Destruction from Marine Shale were not available, but will be provided as a report addendum as soon as the paperwork has been processed.

The remaining 16 empty drums were purchased from Laidlaw by Jakacki Bag and Barrel, Inc., Chicago, Illinois, for reconditioning.

## APPENDIX A

1. The first part of the document is a list of the names of the people who were present at the meeting. The names are listed in alphabetical order.

2.

3.



MITTELHAUSER  
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C.R. 10 Landfill  
Removal Action  
Elkhart, IN

August 1992  
1044BR

APPENDIX A

Removal Action Photographic Documentation

PHOTO LOG  
C.R. 10 Landfill - 1044.03-01  
Elkhart, Indiana  
Removal Action



PHOTOGRAPH #1

Name: TRB

Date: 05/19/92

Time: 0935

Direction: NNE

Description: TL5 area prior to removal action.  
East end of east-west trending TL5 test pit marked  
by stake, left-of-center.



PHOTOGRAPH #2

Name: TRB

Date: 05/19/92

Time: 1135

Direction: South

Description: Initial removal groundbreaking. Stake  
marking east end of TL5 test pit seen at far  
right-of-center.

PHOTO LOG  
C.R. 10 Landfill - 1044.03-01  
Elkhart, Indiana  
Removal Action



PHOTOGRAPH #3

Name: TRB

Date: 05/19/92

Time: 1225

Direction: SSE

Description: View of excavation showing static water level at approximately 2.5 to 3 feet below grade. PID readings above water reach up to 450 ppm. Product leaking from unexposed, buried drum is visible in upper-right corner of excavation. PID readings above product reach up to 4500 ppm.



PHOTOGRAPH #4

Name: TRB

Date: 05/19/92

Time: 1345

Direction: SSE

Description: Partially-submerged drums and floating product visible in south wall of excavation.

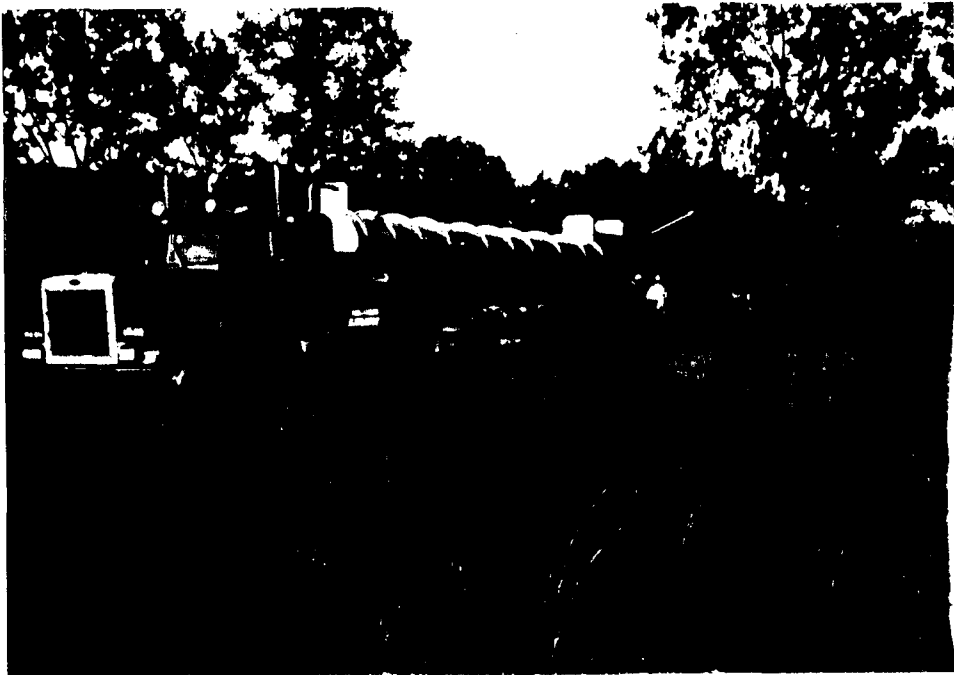
PHOTO LOG  
C.R. 10 Landfill - 1044.03-01  
Elkhart, Indiana  
Removal Action



PHOTOGRAPH #5                      Name: TRB  
Date: 05/20/92                      Time: 0800  
Direction: South  
Description: Recovering product from drum  
recovered from south wall of excavation.



PHOTOGRAPH #6                      Name: TRB  
Date: 05/21/92                      Time: 0630  
Direction: SE  
Description: Recovering product from surface of  
groundwater in excavation.



PHOTOGRAPH #7

Name: TRB

Date: 05/21/92

Time: 0700

Direction: SE

Description: Vacuum/tanker truck. Recovered product pumped into tanker.

PHOTO LOG  
C.R. 10 Landfill - 1044.03-01  
Elkhart, Indiana  
Removal Action



PHOTOGRAPH #8

Name: TRB

Date: 05/21/92

Time: 0725

Direction: SE

Description: Drum removal using rim clamps.



PHOTOGRAPH #9

Name: TRB

Date: 05/21/92

Time: 0745

Direction: SE

Description: Vacuum pumping product from cavity of excavated drum. Drum contents were removed by in-situ vacuum pumping prior to lifting drum from excavation.

PHOTO LOG  
C.R. 10 Landfill - 1044.03-01  
Elkhart, Indiana  
Removal Action



PHOTOGRAPH #10

Name: TRB

Date: 05/21/92

Time: 1220

Direction: SW

Description: Removal of empty drum for temporary staging on plastic sheeting. Laidlaw worker inspects bank of excavation for additional drums.

PHOTO LOG  
C.R. 10 Landfill - 1044.03-01  
Elkhart, Indiana  
Removal Action



PHOTOGRAPH #11

Name: TRB

Date: 05/21/92

Time: 1245

Direction: SW

Description: Drum containing liquid waste being removed from west wall of excavation with rim clamps.



PHOTOGRAPH #12

Name: TRB

Date: 05/22/92

Time: 0810

Direction: N/A

Description: Close-up of empty drum in lined roll-off box showing typical deteriorated condition.



PHOTOGRAPH #13

Name: TRB

Date: 05/22/92

Time: 0810

Direction: South

Description: View of empty drums in lined roll-off box showing typical deteriorated condition.

PHOTO LOG  
C.R. 10 Landfill - 1044.03-01  
Elkhart, Indiana  
Removal Action



PHOTOGRAPH #14

Name: TRB

Date: 05/22/92

Time: 0935

Direction: South

Description: Backfilled excavation after completion of drum and product recovery activities.



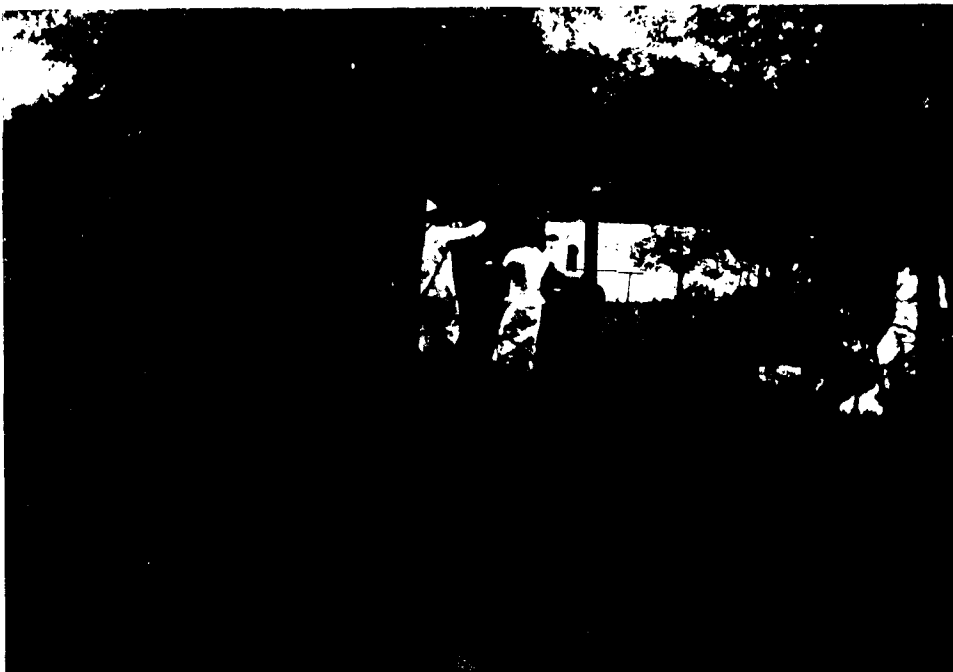
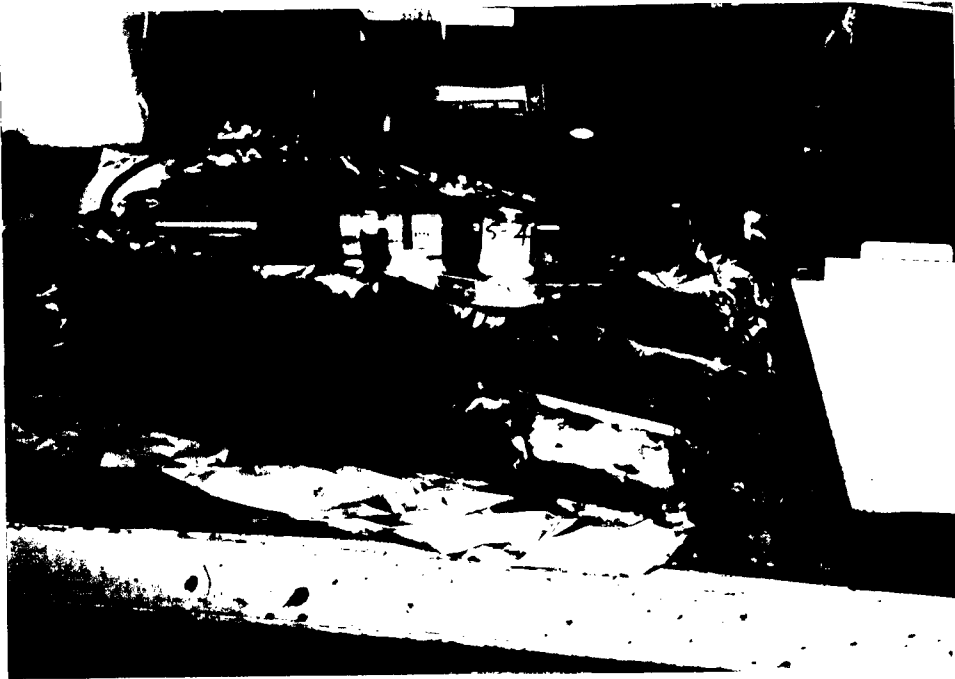


PHOTO LOG  
C.R. 10 Landfill - 1044.03-01  
Elkhart, Indiana  
Removal Action

PHOTOGRAPH #15                      Name: TRB  
Date: 06/04/92                      Time: 0930  
Direction: South  
Description: Soil boring SB 3 location. Near  
southeast corner of removal action excavation.



PHOTOGRAPH #16                      Name: TRB  
Date: 06/04/92                      Time: 1050  
Direction: NE  
Description: Soil boring SB 5 location. USEPA  
TAT representative in foreground.



PHOTOGRAPH #17

Name: TRB

Date: 06/04/92

Time: 1110

Direction: N/A

Description: Split spoon sample SB 5-4; 6-8 foot depth interval. Sorted medium sand, typical.

PHOTO LOG  
C.R. 10 Landfill - 1044.03-01  
Elkhart, Indiana  
Removal Action



PHOTOGRAPH #18

Name: TRB

Date: 07/24/92

Time: 1000

Direction: South

Description: Empty drums recovered during removal action being loaded onto American Waste Haulers truck for offsite transport and recycling.

PHOTO LOG  
C.R. 10 Landfill - 1044.03-01  
Elkhart, Indiana  
Removal Action  
July 1992



PHOTOGRAPH #19

Name: TRB

Date: 07/24/92

Time: 1000

Direction: Southeast

Description: Empty drums recovered during removal action in American Waste Haulers roll-off box after drum emptying activities of 7/23/92.



PHOTOGRAPH #20

Name: TRB

Date: 07/24/92

Time: 1000

Direction: Southeast

Description: Empty drums recovered during removal action in American Waste Haulers roll-off box after drum emptying activities of 7/23/92.

PHOTO LOG  
C.R. 10 Landfill - 1044.03-01  
Elkhart, Indiana  
Removal Action



PHOTOGRAPH #21  
Name: TRB  
Date: 08/10/92 Time: 1345  
Direction: Northeast  
Description: Laidlaw personnel unloading removal  
action drummed wastes staged in lined roll-off box.



PHOTOGRAPH #22  
Name: TRB  
Date: 08/10/92 Time: 1400  
Direction: East  
Description: Laidlaw personnel labeling drummed  
wastes following removal from lined roll-off box.

## APPENDIX B

10/10/10

10/10/10

10/10/10

10/10/10

**MITTELHAUSER**  
corporation

C.R. 10 Landfill  
Removal Action  
Elkhart, IN

August 1992  
1044BR

APPENDIX B

Chain of Custody Form and Analytical Results  
of Soil Samples Collected June 4, 1992

## CHAIN OF CUSTODY RECORD

20506

PAGE 7 OF 7

PROJECT NUMBER:		PROJECT NUMBER:									
SAMPLED BY: (PRINTED AND SIGNATURE)											
SAMPLE NUMBER	DATE	TIME	TYPE								
SAMPLE LOCATION											
NUMBER OF CONTAINERS											
ANALYSIS(ES):											
PRESERVATIVE											
REMARKS											
SB1-4	6/4/92	0850	Soil	Soil boring SB 1	1	VOC 8240			Iced	Duplicate analysis.	
SB3-3	6/4/92	0945	Soil	Soil boring SB 3	1				Iced		
SB4-3	6/4/92	1035	Soil	Soil boring SB 4	1				Iced		
SB5-5	6/4/92	1120	Soil	Soil boring SB 5	1				Iced		
SB6-4	6/4/92	1150	Soil	Soil boring SB 6	1				Iced		
SB7-2	6/4/92	1340	Soil	Soil boring SB 7	1				Iced		
SB2-2	6/4/92										
SB2-1	6/4/92	0905	Soil	Soil boring SB 2	1				Iced		
RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)				TOTAL NO. OF SAMPLES (THIS SHIPMENT)	LABORATORY
RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)				TOTAL NO. OF CONTAINERS (THIS SHIPMENT)	NET Midwest
RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)				LABORATORY CONTACT:	LABORATORY PHONE NUMBER:
DISTRIBUTION: WHITE, MITTELHAUSER CORPORATION CANARY, LABORATORY PINK, CLIENT GOLD, PROJECT FILE				REMARKS: Split sample SB1-4 for duplicate analysis.							



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Fax: (815) 874-5622

## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104809

SAMPLE DESCRIPTION: SB1-4, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
IEPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
VOLATILE COMPOUNDS - 8240				
Acrolein	<500.	ug/kg	8240 (1)	06/18/1992
Acrylonitrile	<50.	ug/kg	8240 (1)	06/18/1992
Benzene	<5.0	ug/kg	8240 (1)	06/18/1992
Bromodichloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
Bromoform	<5.0	ug/kg	8240 (1)	06/18/1992
Bromomethane	<50.	ug/kg	8240 (1)	06/18/1992
Carbon tetrachloride	<5.0	ug/kg	8240 (1)	06/18/1992
Chlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
Chloroethane	<50.	ug/kg	8240 (1)	06/18/1992
2-Chloroethyl vinyl ether	<10.	ug/kg	8240 (1)	06/18/1992
Chloroform	<5.0	ug/kg	8240 (1)	06/18/1992
Chloromethane	<50.	ug/kg	8240 (1)	06/18/1992
Dibromochloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,3-Dichlorobenzene	8.5	ug/kg	8240 (1)	06/18/1992
1,4-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloropropane	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992

  
Brian Wanner, Manager  
Rockford Division







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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104809

SAMPLE DESCRIPTION: SB1-4, Grab Soil  
104.03-01 CR 10 Landfill

te Taken: 06/04/1992  
TEPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Ethylbenzene	11.	ug/kg	8240 (1)	06/18/1992
Methylene chloride	<25.	ug/kg	8240 (1)	06/18/1992
Methyl ethyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
Methyl isobutyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2,2-Tetrachloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Tetrachloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Toluene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,1-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Trichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Vinyl chloride	<50.	ug/kg	8240 (1)	06/18/1992
lenes	54.	ug/kg	8240 (1)	06/18/1992

  
Brian Wanner, Manager  
Rockford Division





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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 105325

SAMPLE DESCRIPTION: SB1-4 DUP, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
IEPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Solids, Total	62.6	%	160.3 (3)	06/08/1992

Brian Wanner, Manager  
Rockford Division





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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 105325

SAMPLE DESCRIPTION: SB1-4 DUP, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
VOLATILE COMPOUNDS - 8240				
Acrolein	<500.	ug/kg	8240 (1)	06/18/1992
Acrylonitrile	<50.	ug/kg	8240 (1)	06/18/1992
Benzene	<5.0	ug/kg	8240 (1)	06/18/1992
Bromodichloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
Bromoform	<5.0	ug/kg	8240 (1)	06/18/1992
Bromomethane	<50.	ug/kg	8240 (1)	06/18/1992
Carbon tetrachloride	<5.0	ug/kg	8240 (1)	06/18/1992
Chlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
Chloroethane	<50.	ug/kg	8240 (1)	06/18/1992
2-Chloroethyl vinyl ether	<10.	ug/kg	8240 (1)	06/18/1992
Chloroform	<5.0	ug/kg	8240 (1)	06/18/1992
Chloromethane	<50.	ug/kg	8240 (1)	06/18/1992
Dibromochloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,3-Dichlorobenzene	10.	ug/kg	8240 (1)	06/18/1992
1,4-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloropropane	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992

  
Brian Wanner, Manager  
Rockford Division





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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 105325

SAMPLE DESCRIPTION: SB1-4 DUP, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Ethylbenzene	23.	ug/kg	8240 (1)	06/18/1992
Methylene chloride	<25.	ug/kg	8240 (1)	06/18/1992
Methyl ethyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
Methyl isobutyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2,2-Tetrachloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Tetrachloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Toluene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,1-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Trichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Vinyl chloride	<50.	ug/kg	8240 (1)	06/18/1992
Alkenes	170.	ug/kg	8240 (1)	06/18/1992

  
Brian Wanner, Manager  
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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104807

SAMPLE DESCRIPTION: SB2-1, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Solids, Total	94.4	%	160.3 (3)	06/08/1992

  
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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104807

SAMPLE DESCRIPTION: SB2-1, Grab Soil  
104.03-01 CR 10 Landfill

ate Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
VOLATILE COMPOUNDS - 8240				
Acrolein	<500.	ug/kg	8240 (1)	06/18/1992
Acrylonitrile	<50.	ug/kg	8240 (1)	06/18/1992
Benzene	<5.0	ug/kg	8240 (1)	06/18/1992
Bromodichloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
Bromoform	<5.0	ug/kg	8240 (1)	06/18/1992
Bromomethane	<50.	ug/kg	8240 (1)	06/18/1992
Carbon tetrachloride	<5.0	ug/kg	8240 (1)	06/18/1992
Chlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
Chloroethane	<50.	ug/kg	8240 (1)	06/18/1992
2-Chloroethyl vinyl ether	<10.	ug/kg	8240 (1)	06/18/1992
Chloroform	<5.0	ug/kg	8240 (1)	06/18/1992
Chloromethane	<50.	ug/kg	8240 (1)	06/18/1992
Dibromochloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,3-Dichlorobenzene	29.	ug/kg	8240 (1)	06/18/1992
1,4-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloropropane	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992

  
Brian Wanner, Manager  
Rockford Division





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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104807

SAMPLE DESCRIPTION: SB2-1, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Ethylbenzene	<5.0	ug/kg	8240 (1)	06/18/1992
Methylene chloride	<25.	ug/kg	8240 (1)	06/18/1992
Methyl ethyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
Methyl isobutyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2,2-Tetrachloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Tetrachloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Toluene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,1-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Trichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Vinyl chloride	<5.0	ug/kg	8240 (1)	06/18/1992
Alkenes	12.	ug/kg	8240 (1)	06/18/1992

Brian Wanner, Manager  
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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104802

SAMPLE DESCRIPTION: SB3-3, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Solids, Total	22.6	%	160.3 (3)	06/08/1992

*B. W.*

Brian Wanner, Manager  
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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104802

SAMPLE DESCRIPTION: SB3-3, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
IEPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
VOLATILE COMPOUNDS - 8240				
Acrolein	<500.	ug/kg	8240 (1)	06/18/1992
Acrylonitrile	<50.	ug/kg	8240 (1)	06/18/1992
Benzene	<5.0	ug/kg	8240 (1)	06/18/1992
Bromodichloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
Bromoform	<5.0	ug/kg	8240 (1)	06/18/1992
Bromomethane	<50.	ug/kg	8240 (1)	06/18/1992
Carbon tetrachloride	<5.0	ug/kg	8240 (1)	06/18/1992
Chlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
Chloroethane	<50.	ug/kg	8240 (1)	06/18/1992
2-Chloroethyl vinyl ether	<10.	ug/kg	8240 (1)	06/18/1992
Chloroform	<5.0	ug/kg	8240 (1)	06/18/1992
Chloromethane	<50.	ug/kg	8240 (1)	06/18/1992
Dibromochloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,3-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,4-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethane	110.	ug/kg	8240 (1)	06/18/1992
1,2-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloropropane	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992

  
Brian Wanner, Manager  
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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104802

SAMPLE DESCRIPTION: SB3-3, Grab Soil  
104.03-01 CR 10 Landfill

te Taken: 06/04/1992  
IEPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Ethylbenzene	340.	ug/kg	8240 (1)	06/18/1992
Methylene chloride	<25.	ug/kg	8240 (1)	06/18/1992
Methyl ethyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
Methyl isobutyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2,2-Tetrachloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Tetrachloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Toluene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,1-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Trichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Vinyl chloride	<50.	ug/kg	8240 (1)	06/18/1992
lenes	1,600.	ug/kg	8240 (1)	06/18/1992

*Brian Wanner*  
Brian Wanner, Manager  
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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104803

SAMPLE DESCRIPTION: SB4-3, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Solids, Total	72.0	%	160.3 (3)	06/08/1992

*B.W.*

Brian Wanner, Manager  
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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104803

SAMPLE DESCRIPTION: SB4-3, Grab Soil  
104.03-01 CR 10 Landfill

Sample Taken: 06/04/1992  
IEPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
VOLATILE COMPOUNDS - 8240				
Acrolein	<500.	ug/kg	8240 (1)	06/18/1992
Acrylonitrile	<50.	ug/kg	8240 (1)	06/18/1992
Benzene	<5.0	ug/kg	8240 (1)	06/18/1992
Bromodichloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
Bromoform	<5.0	ug/kg	8240 (1)	06/18/1992
Bromomethane	<50.	ug/kg	8240 (1)	06/18/1992
Carbon tetrachloride	<5.0	ug/kg	8240 (1)	06/18/1992
Chlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
Chloroethane	<50.	ug/kg	8240 (1)	06/18/1992
2-Chloroethyl vinyl ether	<10.	ug/kg	8240 (1)	06/18/1992
Chloroform	<5.0	ug/kg	8240 (1)	06/18/1992
Chloromethane	<50.	ug/kg	8240 (1)	06/18/1992
Dibromochloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,3-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,4-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloropropane	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992

*B.W.*  
Brian Wanner, Manager  
Rockford Division





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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104803

SAMPLE DESCRIPTION: SB4-3, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Ethylbenzene	34.	ug/kg	8240 (1)	06/18/1992
Methylene chloride	<25.	ug/kg	8240 (1)	06/18/1992
Methyl ethyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
Methyl isobutyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2,2-Tetrachloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Tetrachloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Toluene	8.4	ug/kg	8240 (1)	06/18/1992
1,1,1-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Trichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Vinyl chloride	<50.	ug/kg	8240 (1)	06/18/1992
Volenes	37.	ug/kg	8240 (1)	06/18/1992

  
Brian Wanner, Manager  
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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
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06/22/1992

Job No: 92.1839  
Sample No: 104804

SAMPLE DESCRIPTION: SB5-5, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
IEPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Solids, Total	84.7	%	160.3 (3)	06/08/1992

*B. W.*  
Brian Wanner, Manager  
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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

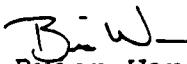
Job No: 92.1839  
Sample No: 104804

SAMPLE DESCRIPTION: SB5-5, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
VOLATILE COMPOUNDS - 8240				
Acrolein	<500.	ug/kg	8240 (1)	06/18/1992
Acrylonitrile	<50.	ug/kg	8240 (1)	06/18/1992
Benzene	<5.0	ug/kg	8240 (1)	06/18/1992
Bromodichloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
Bromoform	<5.0	ug/kg	8240 (1)	06/18/1992
Bromomethane	<50.	ug/kg	8240 (1)	06/18/1992
Carbon tetrachloride	<5.0	ug/kg	8240 (1)	06/18/1992
Chlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
Chloroethane	<50.	ug/kg	8240 (1)	06/18/1992
2-Chloroethyl vinyl ether	<10.	ug/kg	8240 (1)	06/18/1992
Chloroform	<5.0	ug/kg	8240 (1)	06/18/1992
Chloromethane	<50.	ug/kg	8240 (1)	06/18/1992
Dibromochloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,3-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,4-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloropropane	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992

  
Brian Wanner, Manager  
Rockford Division





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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104804

SAMPLE DESCRIPTION: SB5-5, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Ethylbenzene	<5.0	ug/kg	8240 (1)	06/18/1992
Methylene chloride	<25.	ug/kg	8240 (1)	06/18/1992
Methyl ethyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
Methyl isobutyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2,2-Tetrachloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Tetrachloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Toluene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,1-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Trichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Vinyl chloride	<50.	ug/kg	8240 (1)	06/18/1992
Polenes	<5.0	ug/kg	8240 (1)	06/18/1992

Brian Wanner, Manager  
Rockford Division







NATIONAL  
ENVIRONMENTAL  
TESTING, INC.

NET Midwest, Inc.  
Rockford Division  
3548 35th Street  
Rockford, IL 61109  
Tel: (815) 874-2171  
Fax: (815) 874-5622

## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104805

SAMPLE DESCRIPTION: SB6-4, Grab Soil  
104.03-01 CR 10 Landfill

ate Taken: 06/04/1992

Date Received: 06/05/1992

✓EPA Cert. No.100220

WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Solids, Total	88.8	%	160.3 (3)	06/08/1992

*B.W.*

Brian Wanner, Manager  
Rockford Division





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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

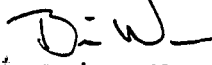
Job No: 92.1839  
Sample No: 104805

SAMPLE DESCRIPTION: SB6-4, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
VOLATILE COMPOUNDS - 8240				
Acrolein	<500.	ug/kg	8240 (1)	06/18/1992
Acrylonitrile	<50.	ug/kg	8240 (1)	06/18/1992
Benzene	<5.0	ug/kg	8240 (1)	06/18/1992
Bromodichloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
Bromoform	<5.0	ug/kg	8240 (1)	06/18/1992
Bromomethane	<50.	ug/kg	8240 (1)	06/18/1992
Carbon tetrachloride	<5.0	ug/kg	8240 (1)	06/18/1992
Chlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
Chloroethane	<50.	ug/kg	8240 (1)	06/18/1992
2-Chloroethyl vinyl ether	<10.	ug/kg	8240 (1)	06/18/1992
Chloroform	<5.0	ug/kg	8240 (1)	06/18/1992
Chloromethane	<50.	ug/kg	8240 (1)	06/18/1992
Dibromochloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,3-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,4-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloropropane	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992

  
Brian Wanner, Manager  
Rockford Division





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Fax: (815) 874-5622

## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992


Job No: 92.1839  
Sample No: 104805

SAMPLE DESCRIPTION: SB6-4, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
EPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Ethylbenzene	<5.0	ug/kg	8240 (1)	06/18/1992
Methylene chloride	<25.	ug/kg	8240 (1)	06/18/1992
Methyl ethyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
Methyl isobutyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2,2-Tetrachloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Tetrachloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Toluene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,1-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Trichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Vinyl chloride	<50.	ug/kg	8240 (1)	06/18/1992
Alkenes	<5.0	ug/kg	8240 (1)	06/18/1992

  
Brian Wanner, Manager  
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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839  
Sample No: 104806

SAMPLE DESCRIPTION: SB7-2, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992  
IEPA Cert. No.100220

Date Received: 06/05/1992  
WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Solids, Total	85.0	%	160.3 (3)	06/08/1992

  
Brian Wanner, Manager  
Rockford Division





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## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839

Sample No: 104806

SAMPLE DESCRIPTION: SB7-2, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992

Date Received: 06/05/1992

EPA Cert. No.100220

WDNR Cert. No.999447240

TEST NAME	RESULTS	UNITS	METHODS	DATE ANALYZED
VOLATILE COMPOUNDS - 8240				
Acrolein	<500.	ug/kg	8240 (1)	06/18/1992
Acrylonitrile	<50.	ug/kg	8240 (1)	06/18/1992
Benzene	<5.0	ug/kg	8240 (1)	06/18/1992
Bromodichloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
Bromoform	<5.0	ug/kg	8240 (1)	06/18/1992
Bromomethane	<50.	ug/kg	8240 (1)	06/18/1992
Carbon tetrachloride	<5.0	ug/kg	8240 (1)	06/18/1992
Chlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
Chloroethane	<50.	ug/kg	8240 (1)	06/18/1992
2-Chloroethyl vinyl ether	<10.	ug/kg	8240 (1)	06/18/1992
Chloroform	<5.0	ug/kg	8240 (1)	06/18/1992
Chloromethane	<50.	ug/kg	8240 (1)	06/18/1992
Dibromochloromethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,3-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,4-Dichlorobenzene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,2-Dichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
1,2-Dichloropropane	<5.0	ug/kg	8240 (1)	06/18/1992
cis-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992
trans-1,3-Dichloropropene	<5.0	ug/kg	8240 (1)	06/18/1992

*B.W.*  
Brian Wanner, Manager  
Rockford Division





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Rockford Division  
3548 35th Street  
Rockford, IL 61109  
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Fax: (815) 874-5622

## ANALYTICAL REPORT

Ms. Michelle Susic  
MITTELHAUSER CORPORATION  
1240 Iroquois Dr., Ste.102  
Naperville, IL 60563

06/22/1992

Job No: 92.1839

Sample No: 104806

SAMPLE DESCRIPTION: SB7-2, Grab Soil  
104.03-01 CR 10 Landfill

Date Taken: 06/04/1992

Date Received: 06/05/1992

EPA Cert. No.100220

WDNR Cert. No.999447240

<u>TEST NAME</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>METHODS</u>	<u>DATE ANALYZED</u>
Ethylbenzene	9.7	ug/kg	8240 (1)	06/18/1992
Methylene chloride	<25.	ug/kg	8240 (1)	06/18/1992
Methyl ethyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
Methyl isobutyl ketone	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2,2-Tetrachloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Tetrachloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Toluene	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,1-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
1,1,2-Trichloroethane	<5.0	ug/kg	8240 (1)	06/18/1992
Trichloroethene	<5.0	ug/kg	8240 (1)	06/18/1992
Vinyl chloride	<50.	ug/kg	8240 (1)	06/18/1992
Wlenes	930.	ug/kg	8240 (1)	06/18/1992

  
Brian Wanner, Manager  
Rockford Division



## APPENDIX C

**MITTELHAUSER**  
corporation

C.R. 10 Landfill  
Removal Action  
Elkhart, IN

August 1992  
1044BR

APPENDIX C

Transport and Disposal Documentation for Empty Drums  
Recovered from Excavation During Removal Action





# AMERICAN WASTE PROCESSING, LTD.

P.O. Box 306  
Maywood, Illinois 60153  
(312) 681-3999

## NON-HAZARDOUS PERMIT

REFERENCE NO. 900157

DATE ENTERED 7-16-92

WASTE STREAM NO. 000157

THIS APPLICATION IS A (CHECK ONE) ☒ NEW APPLICATION ☐ RENEWAL

THIS APPLICATION IS FOR WASTE (CHECK ONE) ☐ STORAGE ☒ TREATMENT

### SITE

AMERICAN WASTE PROCESSING, LTD.

2010 WEST MADISON STREET

COOK/MAYWOOD, IL 60153

(312) 681-3999

IEPA SITE CODE 0 3 1 1 8 3 0 0 2

DISPOSAL METHOD 28

TREATMENT 21

SITE CONTACT NAME JOSEPH A. STROSNIK

STORAGE METHOD 01

THE UNDERSIGNED HEREBY MAKES A SUPPLEMENTAL PERMIT FOR THE STORAGE OR TREATMENT OF THIS WASTE STREAM AS STATED ABOVE.

SIGNATURE *Joseph A. Strosnik*  
(OWNER/AUTHORIZED AGENT/OPERATOR)

DATE 7-16-92

### WASTE GENERATOR INFORMATION

#### PLANT ADDRESS

NAME COUNTY ROAD 10 LANDFILL

ADDRESS COUNTY ROAD 10 & NAPPANEE STREET

/ ELKHART / IND / 46514  
COUNTY COMMUNITY STATE ZIP

GENERATOR IEPA CODE 9 1 8 0 3 9 7 7 2 1

GENERATOR CONTACT NAME TIM BARTLET (MITTELHAUSER)

PROCESS/OPERATION NAMES SITE CLEAN-UP

PROCESS DESCRIPTION SITE CLEAN-UP

#### MAILING ADDRESS

NAME HIMCO WASTE - AWAY SERVICE, INC.

ADDRESS P.O. BOX 1268

ELKHART / ELKHART / IN / 46515-1268  
COUNTY COMMUNITY STATE ZIP

TELEPHONE (708) 369-0201

GENERIC WASTE NAME "RCRA" EMPTY DRUMS PREVIOUSLY CONTAINING PAINT PRODUCTS

# WASTE CHARACTERISTICS

THIS WASTE IS (CHECK ONE) ☐ HAZARDOUS ☒ NON-HAZARDOUS AS DEFINED BY U.S.E.P.A. IN THE RESOURCE CONSERVATION AND RECOVERY ACT, AND REGULATIONS ADOPTED THEREUNDER, AND THE ILLINOIS POLLUTION CONTROL BOARD IN TITLE 35 - SUBTITLE G, PART 721.

USEPA HAZARDOUS WASTE NO(S). \_\_\_\_\_

TOTAL ANNUAL WASTE VOLUME 50 CONTAINERS

WASTE CLASS \_\_\_\_\_

TRANSPORT FREQUENCY 1

VOLUME UNITS 2

WASTE PHASE 3

- |               |                   |
|---------------|-------------------|
| 1 - ONE TIME  | 5 - MONTHLY       |
| 2 - DAILY     | 6 - BI-MONTHLY    |
| 3 - WEEKLY    | 7 - QUARTERLY     |
| 4 - BI-WEEKLY | 8 - SEMI-ANNUALLY |

- |                 |
|-----------------|
| 1 - CUBIC YARDS |
| 2 - GALLONS     |

- |                |
|----------------|
| 1 - SOLID      |
| 2 - SEMI-SOLID |
| 3 - LIQUID     |
| 4 - GAS        |
| 5 - POWDERS    |

## COMPONENT NAME

## PERCENT

RCRA EMPTY CONTAINERS

1 0 0 . 0 0

FLASH POINT \_\_\_\_\_ PERCENT ACIDITY \_\_\_\_\_ PERCENT ALKALINITY \_\_\_\_\_

PH \_\_\_\_\_ TOTAL SOLIDS \_\_\_\_\_

SOLID WASTE - FIRE HAZARD \_\_\_\_\_ CORROSIVE \_\_\_\_\_ REACTIVE \_\_\_\_\_

GENERATOR - ANSWER ALL QUESTIONS, SIGN, DATE AND RETURN TO AMP

DOES THIS WASTE CONTAIN ANY EXPLOSIVES, HERBICIDES, INSECTICIDES, PATHOGENS, PCBS, PESTICIDES, BIOLOGICAL OR RADIOACTIVE MATERIAL? YES \_\_\_\_\_ NO ☒

IF YES EXPLAIN \_\_\_\_\_

NON-HAZ "RCRA" EMPTY DOT  
SHIPPING DESCRIPTION CONTAINERS HAZARD CLASS NON-HAZ

UN OR NA NO. \_\_\_\_\_ EPA HW NO. \_\_\_\_\_

QUANTITY OF WASTE PER DELIVERY 50 DRUMS METHOD OF SHIPMENT VAN TRAILER

DRUMS \_\_\_\_\_ TANKER \_\_\_\_\_ ROLL-OFF BOX \_\_\_\_\_

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND ABILITY THE INFORMATION PROVIDED IS COMPLETE, ACCURATE AND TRUE.

NAME (PLEASE PRINT) \_\_\_\_\_ DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ TITLE \_\_\_\_\_



GENERIC WASTE STREAM PERMIT ATTACHMENT

SITE CODE: 0311830002

GENERIC W/S PERMIT NUMBER: 000157

SITE NAME: AMERICAN WASTE PROCESSING LTD

SUP/DPI PERMIT NUMBER: 1987216SP

DATE RECEIVED: 09/02/86

APPROVAL DATE: 11/18/86  
EXPIRATION DATE: 10/24/93

GENERIC WASTE CODE: 0069

GENERIC WASTE NAME: SPENT PRODUCTS

WASTE CLASSIFICATION: NON-HAZARDOUS NOT SUBJECT TO FEE

IEPA NON-HAZARD WASTE NUMBER(S): 0020

TREATMENT CODE(S): S01

FLASH POINT (MIN): 140F PH (MIN): 2.5 PH (MAX): 12.5

----- MAJOR WASTE COMPONENTS -----

CODE:	NAME	MAX LIMITS
0212	PALLETS	0100 % VOL
0213	TIRES	0100 % VOL
0214	RCRA "EMPTY" CONTAINERS	0100 % VOL

DISPOSAL METHOD: WASTE TREATMENT

TREATMENT METHOD: OTHER (SPECIFIED IN ATTACHMENT TO APPLICATION)

WRH



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039 Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address COUNTY ROAD 10 LANDFILL COUNTY ROAD & NAPPANEE STREET ELKHART, IND 46514		Location If Different		A. Illinois Manifest Document Number IL 3904514 FEE PAID IF APPLICABLE		
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* (219)		6. US EPA ID Number		B. Illinois Generator's ID 911803977211		
5. Transporter 1 Company Name AMERICAN WASTE HAULERS, INC.		8. US EPA ID Number		C. Illinois Transporter's ID 000519 D. (708) 681-3999 Transporter's Phone		
7. Transporter 2 Company Name		10. US EPA ID Number		E. Illinois Transporter's ID F. Transporter's Phone		
9. Designated Facility Name and Site Address AMERICAN WASTE PROCESSING, LTD. 2010 WEST MADISON STREET MAYWOOD, ILLINOIS 60153		12. Containers No. Type		G. Illinois Facility's ID 0311830002 H. Facility's Phone (708) 681-3999		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.
a. NON-HAZARDOUS "RCRA" EMPTY CONTAINERS		057 DM 0,0,0,0,0		1		EPA HW Number X X CLASS A Authorization Number 0,0,0,1,5,7
b.						EPA HW Number X X Authorization Number
c.						EPA HW Number X X Authorization Number
d.						EPA HW Number X X Authorization Number
J. Additional Description for Materials Listed Above 900157/000157		K. Handling Codes for Wastes Listed Above In item #14 G = Gallons Y = Cubic Yards				
15. Special Handling Instructions and Additional Information IN CASE OF EMERGENCY NOTIFY (708)681-3999						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Ken Himes		Signature Ken Himes		Date Month Day Year 0 7 2 3 9 2		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name H.P. MULLIGAN		Signature H.P. Mulligan		Date Month Day Year 0 7 2 3 9 2		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of <del>hazardous</del> materials covered by this manifest except as noted in item 19.		Signature J.A. Strosnik		Date Month Day Year 0 7 2 3 9 2		

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



AMERICAN WASTE HAULERS, INC.

P.O. Box 306  
Maywood, Illinois 60153  
(708) 681-3999  
Fax: (708) 681-5583

CERTIFICATE OF DISPOSAL

THIS CERTIFICATE IS TO VERIFY THAT THE DRUMS PICKED-UP AT

COUNTY ROAD 10 LANDFILL

COUNTY ROAD 10 & NAPPANEE ROAD

ELKHART, INDIANA 46514

HAS BEEN PROPERLY SHREDDED AND DISPOSED OF IN ACCORDANCE WITH  
ALL LOCAL, STATE AND FEDERAL REGULATION.

NUMBER OF DRUMS: FIFTY-SEVEN (57)

FACILITY NAME: AMERICAN WASTE PROCESSING, LTD.

ADDRESS: 2010 WEST MADISON STREET

MAYWOOD, ILLINOIS 60153

SIGNED:

JOSEPH A. STROSNIK

## APPENDIX D

)

)

C.R. 10 Landfill  
Removal Action  
Elkhart, IN

August 1992  
1044BR

APPENDIX D

Transport and Disposal Documentation for Liquid  
Solvent Waste in Tanker



NOTE: FORM DESIGNED TO PRINT 8 LINES PER INCH.

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039. Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. IN9180397721		Manifest Document No. 80392		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.			
3. Generator's Name and Mailing Address HIMCO WASTE AWAY SERVICE, INC. P. O. 1268, ELKHART, IN 46515-1268						Location If Different: COUNTY ROAD 10 LANDFILL					
4. * 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS * 1-800-535-5053 (567)											
5. Transporter 1 Company Name LAIDLAW ENV SVCS OF ILLINOIS, INC.						6. US EPA ID Number IL0000000000					
7. Transporter 2 Company Name						8. US EPA ID Number					
9. Designated Facility Name and Site Address LAIDLAW ENVIRONMENTAL SERVICES (TS), INC. ROUTE 11, P. O. BOX 3 REIDSVILLE, NC 27320						10. US EPA ID Number NCD000648451					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. RC WASTE FLAMMABLE LIQUID, N.O.S. (TOLUENE, BENZENE), FLAMMABLE LIQUID, UN 1993 (2001, 2005)						0.01 T.T.P.P./P.P.G				EPA HW Number XX00001 Authorization Number XXXXXX	
c.										EPA HW Number XX Authorization Number XXXXXX	
d.										EPA HW Number XX Authorization Number XXXXXX	
J. Additional Descriptions for Materials Listed Above 112-RVLE0101 - ADDITIONAL EPA 2005						K. Handling Codes for Wastes Listed Above In Item # 14 G = Gallons Y = Cubic Yards					
15. Special Handling Instructions and Additional Information											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed / Typed Name: _____ Signature: _____ Date: _____											
17. Transporter 1 Acknowledgement of Receipt of Materials Printed / Typed Name: _____ Signature: _____ Date: _____											
18. Transporter 2 Acknowledgement of Receipt of Materials Printed / Typed Name: _____ Signature: _____ Date: _____											
19. Discrepancy Indication Space The 1st material has a flash point greater than 140°F therefore DOT class not apply.											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed / Typed Name: _____ Signature: _____ Date: _____											

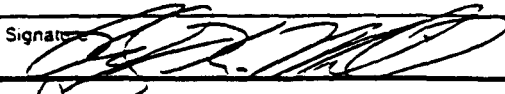
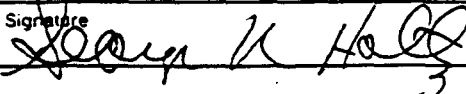
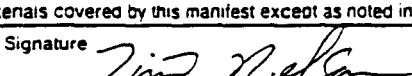
This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 3 years. This form has been approved by the Forms Management Center.

COPY 4. TRANSPORTER 1 COPY

In case of a spill call the Illinois Office of Emergency Response at 217/782-7860 and the National Response Center at 800/424-9092 or 202/426-7675.



Form Approved. OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's U.S. EPA ID No. N C D 0 0 0 6 4 8 4 5 1 3 1 3 2 4		Manifest Document No. 4		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is by State law.					
Generator's Name and Mailing Address <b>LAIDLAW ENVIRONMENTAL SERVICES (TS), INC</b> <b>RT. 11, BOX 3 208 WATLINGTON INDUSTRIAL ROAD, REIDSVILLE, NC 27320</b> Generator's Phone ( 919 ) 342-6106						A. State Manifest Document Number							
						B. State Generator's ID							
Transporter 1 Company Name <b>LAIDLAW ENV. SER. OF ILL. INC.</b> 6. U.S. EPA ID Number <b>I L D 9 8 0 5 0 2 7 4 4</b>						C. State Transporter's ID							
						D. Transporter's Phone (812) 239-2371							
Transporter 2 Company Name 3. U.S. EPA ID Number 10. U.S. EPA ID Number <b>S C D 9 8 1 4 6 7 6 1 6</b>						E. State Transporter's ID							
						F. Transporter's Phone							
Designated Facility Name and Site Address <b>LAIDLAW ENVIRONMENTAL SERVICES (POC), INC.</b> <b>301 RAILROAD STREET</b> <b>ROEBUCK, SC 29376</b>						G. State Facility's ID							
						H. Facility's Phone (803) 576-1085							
11. U.S. DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) <b>HAZARDOUS WASTE LIQUID, N.O.S., (WATER, TOLUENE), ORM-B</b> <b>HA9139</b>						12. Containers No.		13. Total Quantity		14. Unit (M/Vol)		I. Waste Number	
						0 0 1 T T		1 0 0 0 0		P		F 0 0 5	
Additional Descriptions for Materials Listed Above a. T O - T O 0 6 4 - 0 8 1 5 64 c. d.						K. Handling Codes for Wastes Listed Above Public reporting burden for this collection of information is estimated to average 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment storage and disposal facilities. This includes time for reviewing instructions, gathering data, and completing and reviewing the form. Send comments regarding this burden estimate, including suggestions for reducing this burden, to Chief Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C. 20460 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.							
Special Handling Instructions and Additional Information EPA Waste Codes <b>W04: 13707</b>						Profile a. RVLB0101 Numbers b. c. d.							
<b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina.													
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>Rodney K. Martin</b>				Signature 				Month Day Year <b>0 8 0 5 9 2</b>					
Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>George R. Holtz Jr</b>				Signature 				Month Day Year <b>0 8 0 5 9 2</b>					
Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space a. b. c. d.													
20. Facility Owner or Operator, Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <b>TIM NELSON</b>													
Signature 				Month Day Year <b>0 8 0 5 9 2</b>									



NAME OF WASTE STREAM

## MATERIAL PROFILE

Water and Paint Solvents

Generator Name COUNTY ROAD LANDFILL  
 Facility Address COUNTY ROAD 10 NAPPANEE ST.  
 City ELKHART County ELKHART  
 State IN Zip Code 46514  
 EPA Identification Number IND 980500292  
 State Identification Number \_\_\_\_\_

Technical Contact \_\_\_\_\_  
 Title \_\_\_\_\_  
 Telephone ( ) \_\_\_\_\_ EXT \_\_\_\_\_  
 Billing Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Is Sample Available Upon Request?

Yes \_\_\_\_\_  
 No \_\_\_\_\_

Process Generating Waste groundwater contaminated by leaking drumsRate of Generation one time Container Type/Size tanker EPA Waste No. D001, F005 State Waste No. \_\_\_\_\_

1. Does this waste contain spent solvents (F001 through F005)? Y ☒ N ☐ Materials listed under the California list? Y ☐ N ☒  
 2. Is this waste listed for Dioxin as defined in 40 CFR 262.31? (F020 - F023 and F026 - 28) Y ☐ N ☒  
 3. Is this waste INFECTIOUS? Y ☐ N ☒ Is it RADIOACTIVE? Y ☐ N ☒ Does it contain PCB's > 50ppm? Y ☐ N ☒  
 4. If you answered yes to questions 2 or 3, DO NOT CONTINUE. Please contact your LAIDLAW Technical Sales Representative for assistance.

## Chemical Constituents (Must Total 100%)

water 70-77%  
toluene 1-5%  
mineral spirits 1-3%  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Physical Characteristics at 70°F

Physical State: Liquid ☒ Semisolid \_\_\_\_\_ Solid \_\_\_\_\_  
 Layers: None \_\_\_\_\_ Two ☒ Multilayers \_\_\_\_\_  
 Free Liquids (%) > 99 Precipitated Solids (%) > 1%  
 Viscosity: Low ☒ Medium \_\_\_\_\_ High \_\_\_\_\_  
 Is Material Pumpable? Yes ☒ No \_\_\_\_\_ Polymerizable? Yes \_\_\_\_\_ No ☒  
 Specific Weight (lbs./gal) ± 8.0 /OR Specific Gravity (g/cc) \_\_\_\_\_  
 Appearance brownish liquid Odor solvent  
 Flash Point(cc): Exact \_\_\_\_\_ < 60°F \_\_\_\_\_ 61°F - 100°F ☒ > 200°F \_\_\_\_\_  
 BTU/lb. 420 101°F - 140°F \_\_\_\_\_ 141°F - 200°F \_\_\_\_\_  
 pH (avg) 7 Ash(%) < 2% Water(%) 70-97  
 Range 6 to 8  
 Reactivity (Reactive with): \_\_\_\_\_

(Please Attach All MSDS's, Sample Analysis and Additional Info.)

## Metals (ppm)

Total	TCLP
As	0
Ag	0
Cd	0
Ba	0.2
Pb	0

Total	TCLP
Cr(Total)	0
Cr(Hex)	0
Hg	0
Se	0.7

Total	Total
Be	Si
Ti	Na
Sb	Ni
S	Cu
P	Zn

## Other (Specify in PPM)

Free Cyanide	<u>&lt; 10</u>	Phenolics	<u>&lt; 10</u>
Total Cyanide	<u>&lt; 50.0</u>	PCB's	<u>0</u>
Free Sulfide	<u>0</u>		
Total Organic Halogens (%)			
Fluorine	<u>≤ 1</u>	Bromine	<u>&lt; 1</u>
Chlorine	<u>≤ 1</u>		

I certify that all information on this form is complete and factual (including attached information) and is an accurate representation of the known and suspected hazards of the waste to be disposed.

Generators Signature \_\_\_\_\_

Date 7/7/92

Information Completed By

Name Kyle CarterTitle Remedial MgrDate 07/18/92

TC RULE CERTIFICATION/RECERTIFICATION FORM

Generator Name: COUNTY ROAD LANDFILL IND 980500292  
 Location: EMHART  
 Profile#: WATER + PAINT SOLVENTS  
 EPA ID#

CHARACTERISTICS OF HAZARDOUS WASTE: Indicate if this waste contains any of the following characteristics based on criteria mandated by 40 CFR 261.21, 261.22, 261.23 and 261.24.

	Regulatory Threshold Level			(Check One)		Actual Value
		Yes	No	Scientific Data	Generator's Knowledge	
D001 Characteristic of Ignitability	<140F	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>	<u>63°F</u>
D002 Characteristic of Corrosivity	≤2 or ≥12.5	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D003 Characteristic of Reactivity		<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>

Constituent	*Regulatory Threshold Level, ppm			(Check One)		Actual Value (ppm)
		Yes	No	Scientific Data	Generator's Knowledge	
D004 (Arsenic)	5.0	<u>      </u>	<u>X</u>	<u>X</u>	<u>      </u>	<u>0</u>
D005 (Barium)	100.0	<u>      </u>	<u>X</u>	<u>X</u>	<u>      </u>	<u>0.2</u>
D006 (Cadmium)	1.0	<u>      </u>	<u>X</u>	<u>X</u>	<u>      </u>	<u>0</u>
D007 (Chromium)	5.0	<u>      </u>	<u>X</u>	<u>X</u>	<u>      </u>	<u>0</u>
D008 (Lead)	5.0	<u>      </u>	<u>X</u>	<u>X</u>	<u>      </u>	<u>0</u>
D009 (Mercury)	0.2	<u>      </u>	<u>X</u>	<u>X</u>	<u>      </u>	<u>0</u>
D010 (Selenium)	1.0	<u>      </u>	<u>X</u>	<u>X</u>	<u>      </u>	<u>0.7</u>
D011 (Silver)	5.0	<u>      </u>	<u>X</u>	<u>X</u>	<u>      </u>	<u>0</u>
D012 Endrin	0.02	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D013 Lindane	0.4	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D014 Methoxychlor	10.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D015 Toxaphene	0.5	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D016 2, 4-D	10.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
(2, 4-Dichlorophenoxyacetic acid)						
D017 2,4,5-TP Silvex	1.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D018 Benzene	0.5	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D019 Carbon Tetrachloride	0.5	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D020 Chlordane	0.03	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D021 Chlorobenzene	100.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D022 Chloroform	6.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D023 o-Cresol	200.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D024 m-Cresol	200.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D025 p-Cresol	200.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D026 Cresol	200.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D027 1,4-Dichlorobenzene	7.5	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D028 1,2 Dichloroethane	0.5	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D029 1,1 Dichloroethylene	0.7	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D030 2,4-Dinitrotoluene	0.13	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D031 Heptachlor (and its hydroxide)	0.008	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D032 Hexachlorobenzene	0.13	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D033 Hexachlorobutadiene	0.5	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D034 Hexachloroethane	3.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D035 Methyl ethyl ketone	200.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D036 Nitrobenzene	2.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>
D037 Pentachlorophenol	100.0	<u>      </u>	<u>X</u>	<u>      </u>	<u>X</u>	<u>      </u>

Constituent	*Regulatory Threshold Level, ppm			(Check One)		Actual Value
		Yes	No	Scientific Data	Generator's Knowledge	
D038 Pyridine	5.0		X		X	
D039 Tetrachloroethylene	0.7		X		X	
D040 Trichloroethylene	0.5		X		X	
D041 2,4,5-Trichlorophenol	400.0		X		X	
D042 2,4,6-Trichlorophenol	2.0		X		X	
D043 Vinyl Chloride	0.2		X		X	

\* As defined by the TCLP (Method 1311), EP Toxicity is no longer acceptable.

Use of Generator's Knowledge is based upon the following (check one):

1) \_\_\_\_\_ MDSD's (Please attach)

2) \_\_\_\_\_ Analysis (Please attach)

3) ☒ Other (Explain how determined, example: Not Present in Process Producing)

paint solvent drums leaked into groundwater

"LISTED" Hazardous Wastes: Indicate if this waste also contains any listed hazardous wastes coded in 40 CFR 261.31, 261.32 and 261.33 by including the appropriate EPA Hazardous Waste code(s)

F005

#### GENERATOR CERTIFICATION

I hereby certify that all information submitted on this form and all attached documents are true and accurate. In the event that this form is not fully completed, I authorize Laidlaw Environmental Services to conduct necessary testing at my expense to properly complete the form.

SIGNATURE: \_\_\_\_\_

DATE: 7/7/92

PRINT NAME: CHARLES HUNTER

TITLE: Owner

APPENDIX E

C.R. 10 Landfill  
Removal Action  
Elkhart, IN

August 1992  
1044BR

APPENDIX E  
Transport and Disposal Documentation for  
Drummed Wastes

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter)

State Form LPC 62 8/81

IL532-0610

EPA Form 8700-22 (Rev. 9-88)

Form Approved, OMB No. 2050-0039, Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address <b>HIMCO WASTE SYSTEMS / COUNTY RD 10, LANDFILL COUNTY RD 10 LANDFILL AT NAPPANEE ST ELKHART, IN 46514</b>		4. "24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS" <b>1-815-239-2377</b>	A. Illinois Manifest Document Number <b>IL 3921481</b>		FEE PAID IF APPLICABLE	
5. Transporter 1 Company Name <b>LAIDLAW ENVIR. SERVS. OF ILLINOIS, INC.</b>	6. US EPA ID Number <b>IL0980502744</b>	C. Illinois Transporter's ID <b>0015</b>		D. <b>815-239-2377</b> Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	E. Illinois Transporter's ID		F. ( ) Transporter's Phone		
9. Designated Facility Name and Site Address <b>LAIDLAW ENVIR. SERVS. OF ILLINOIS, INC. 6125 N. PECATONICA RD PECATONICA, IL 61063</b>		10. US EPA ID Number <b>IL0980502744</b>		G. Illinois Facility's ID <b>2018000002</b>		
H. Facility's Phone <b>815-239-2377</b>						
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit	15. Waste No.	
		No.	Type	Wt/Vol		
HAZARDOUS WASTE SOLID, N.O.S., OR ME NA9189 (TOLUENE) (EPA RC F005) 003 DM 00715 G					XX F005 Authorization Number 000240	
HAZARDOUS WASTE SOLID, N.O.S., OR ME NA9189 (TOLUENE) (EPA F005) 002 DM 00410 G					XX F005 Authorization Number 000240	
WASTE PAINT RELATED MATERIAL, (EPA F005) 006 DM 00275 G					XX D001 Authorization Number 000240	
FLAMMABLE LIQUID, UN1263 (TOLUENE) (EPA F005) 006 DM 00275 G					XX F005 Authorization Number 000240	
RESIDUE: LAST CONTAINED PAINT NON REGULATED (NONE) 016 DM 00890 G					XX Authorization Number 000239	
J. Additional Description for Materials Listed Above A. HMO C01 CODE 15 B. HMO C02 CODE 15 C. HMO C03 ALSO F005 CODE 14		K. Handling Codes for Wastes Listed Above In Item #14 G = Gallons Y = Cubic Yards				
15. Special Handling Instructions and Additional Information						
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name <b>CHARLES H. HINES JR.</b>		Signature <i>[Signature]</i>		Date <b>081092</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>[Signature]</i>		Date <b>081092</b>		
Printed/Typed Name <b>Kenneth W. Bore</b>		Signature <i>[Signature]</i>		Date <b>081092</b>		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Date		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name		Signature		Date		

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

In case of a spill call the Illinois Office of Emergency Response at 217/782-7860 and the National Response Center at 800/424-8802 or 202/426-2675.

Haz W. Solid

NAME OF WASTE STREAM

MATERIAL PROFILE

HMO-001

Solid Paint

Generator Name County Road 10 Landfill  
 Facility Address HIMCO WASTE AWAY SERVICE INC.  
COUNTY ROAD 10 & NAPA AVE ST.  
 City ELKHART County ELKHART  
 State IN Zip Code 46514  
 EPA Identification Number IN D980500292  
 State Identification Number

Technical Contact \_\_\_\_\_  
 Title \_\_\_\_\_  
 Telephone ( ) \_\_\_\_\_ EXT. \_\_\_\_\_  
 Billing Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Is Sample  
Available  
Upon Request?

Yes \_\_\_\_\_  
 No ☒

Process Generating Waste drum excavated from landfill  
 Rate of Generation one time Container Type/Size 55, 25, or 110 EPA Waste No. F005 State Waste No. \_\_\_\_\_  
 1. Does this waste contain spent solvents (F001 through F005)? Y \_\_\_\_\_ N \_\_\_\_\_ Materials listed under the California list? Y \_\_\_\_\_ N ☒  
 2. Is this waste listed for Dioxin as defined in 40 CFR 262.317 (F020 - F023 and F026 - 28)? Y \_\_\_\_\_ N ☒  
 3. Is this waste INFECTIOUS? Y \_\_\_\_\_ N ☒ Is it RADIOACTIVE? Y \_\_\_\_\_ N ☒ Does it contain PCB's > 50ppm? Y \_\_\_\_\_ N ☒  
 4. If you answered yes to questions 2 or 3...DO NOT CONTINUE. Please contact your LAIDLAW Technical Sales Representative for assistance.

## Chemical Constituents (Must Total 100%)

paint pigments > 98%  
toluene 0-2%  
mineral spirits 0-2%

## Physical Characteristics at 70°F

Physical State: Liquid \_\_\_\_\_ Semisolid \_\_\_\_\_ Solid ☒  
 Layers: None ☒ Two \_\_\_\_\_ Multilayers \_\_\_\_\_  
 Free Liquids (%) 0 Precipitated Solids (%) \_\_\_\_\_  
 Viscosity: Low \_\_\_\_\_ Medium \_\_\_\_\_ High ☒  
 Is Material Pumpable? Yes \_\_\_\_\_ No ☒ Polymerizable? Yes \_\_\_\_\_ No ☒  
 Specific Weight (lbs./gal) \_\_\_\_\_ /OR Specific Gravity(g/cc) 1.0  
 Appearance various colored paint solids Odor solvent  
 Flash Point(cc): Exact \_\_\_\_\_ <60°F \_\_\_\_\_ 61°F - 100°F \_\_\_\_\_  
 101°F - 140°F \_\_\_\_\_ 141°F - 200°F \_\_\_\_\_ >200°F ☒  
 BTU/lb. \_\_\_\_\_ Ash(%) 35-50 Water(%) <1  
 pH (avg) N/A Range \_\_\_\_\_ to \_\_\_\_\_  
 Reactivity (Reactive with): \_\_\_\_\_

(Please Attach All MSDS's, Sample Analysis and Additional Info.)

## Metals (ppm)

Total	TCLP
As	0
Ag	0
Cd	0
Ba	0.5
Pb	0

Total	TCLP
Cr(Total)	0
Cr(Hex)	0
Hg	0
Se	<0.1

Total	Total
Be	Si
Ti	Na
Sb	Ni
S	Cu
P	Zn

## Other:(Specify in PPM)

Free Cyanide	0	Phenolics	<10
Total Cyanide	<50	PCB's	0
Free Sulfide	0		
Total Organic Halogens (%)			
Fluorine	0	Bromine	0
Chlorine	0		

I certify that all information on this form is complete and factual (including attached information) and is an accurate representation of the known and suspected hazards of the waste to be disposed.

Generators Signature

58-0732 585004 (3 92)

Date

Information Completed By:

Name: Kyle CarterTitle: Remedial Mgr

Date

06/18/92





LIDLAW Use Only Inc. MSP  
W. Paint Related Material



NAME OF WASTE STREAM

MATERIAL PROFILE HMO-003

Paint Related Material

Generator Name COUNTY ROAD LANDFILL - HMO WASTE  
Facility Address COUNTY ROAD @ NAPPANEE ST  
City ELKHART County ELKHART  
State IN Zip Code 46514  
EPA Identification Number IND980500292  
State Identification Number

Technical Contact \_\_\_\_\_  
Title \_\_\_\_\_  
Telephone ( ) \_\_\_\_\_ EXT. \_\_\_\_\_  
Billing Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Is Sample Available Upon Request?

Yes \_\_\_\_\_  
No ☒

Process Generating Waste waste paint drums removed from landfill

Date of Generation \_\_\_\_\_ Container Type/Size 25, 85, 110 EPA Waste No. 0001, F005 State Waste No. \_\_\_\_\_  
1. Does this waste contain spent solvents (F001 through F005)? Y ☒ N \_\_\_\_\_ Materials listed under the California list? Y \_\_\_\_\_ N ☒  
2. Is this waste listed for Dioxin as defined in 40 CFR 262.317 (F020 - F023 and F026 - 28)? Y \_\_\_\_\_ N ☒  
3. Is this waste INFECTIOUS? Y \_\_\_\_\_ N ☒ Is it RADIOACTIVE? Y \_\_\_\_\_ N ☒ Does it contain PCB's > 50ppm? Y \_\_\_\_\_ N ☒  
4. If you answered yes to questions 2 or 3, DO NOT CONTINUE. Please contact your LIDLAW Technical Sales Representative for assistance.

Chemical Constituents (Must Total 100%)

paint solids 10-95%  
toluene 5-90%  
mineral spirits 5-80%

Physical Characteristics at 70°F

Physical State: Liquid ☒ Semisolid \_\_\_\_\_ Solid \_\_\_\_\_  
Layers: None \_\_\_\_\_ Two ☒ Multilayers \_\_\_\_\_  
Free Liquids (%) 5-90 Precipitated Solids (%) 5-25  
Viscosity: Low ☒ Medium ☒ High ☒  
Is Material Pumpable? Yes \_\_\_\_\_ No ☒ Polymerizable? Yes \_\_\_\_\_ No ☒  
Specific Weight (lbs./gal.) 7-9 /OR Specific Gravity (g/cc) \_\_\_\_\_  
Appearance varies in color Odor solvent  
Flash Point(cc): Exact 68 <60°F \_\_\_\_\_ 61°F - 100°F ☒  
101°F - 140°F \_\_\_\_\_ 141°F - 200°F \_\_\_\_\_ >200°F \_\_\_\_\_  
BTU/lb. >5000 Ash(%) 1-25% Water(%) <1  
pH (avg) N/A Range \_\_\_\_\_ to \_\_\_\_\_  
Reactivity (Reactive with): \_\_\_\_\_

Metals (ppm)

Total	TCLP
As	0
Ag	0
Cd	0
Ba	<0.2
Pb	0

Total	TCLP
Cr(Total)	0
Cr(Hex)	0
Hg	0
Se	<0.7

Total	Total
Be	Si
Ti	Na
Sb	Ni
S	Cu
P	Zn

Other: (Specify in PPM)

Free Cyanide	<1	Phenolics	<10
Total Cyanide	<50	PCB's	0
Free Sulfide	0		
Total Organic Halogens (%)			
Fluorine	0	Bromine	0
Chlorine	0		

I certify that all information on this form is complete and factual (including attached information) and is an accurate representation of the known and suspected hazards of the waste to be disposed.

Generators Signature \_\_\_\_\_

Date 7/7/92

Information Completed By:

Name: Kyle Carter

Title: Remedial Mgr.

Date: 06/18/92

LAIDLAW Use Only INC MSP

Haz W. Sol

**LAIDLAW**  
**ENVIRONMENTAL**  
**SERVICES**

NAME OF WASTE STREAM

MATERIAL PROFILE HMC-002Tyvek + debris

Generator Name

COUNTY ROAD 10 LANDFILL - HMC WASTE AWAY SERVICE

Facility Address

COUNTY ROAD 10 C NAPPANEE

City

ELKHART

County

ELKHART

State

INDIANA

Zip Code

46514

EPA Identification Number

IND 980500292

State Identification Number

Technical Contact

Title

Telephone ( )

EXT.

Billing Address

City

State

Zip

Is Sample

Available

Upon Request?

Yes

No

Process Generating Waste

PPE and plastic

Rate of Generation

Container Type/Size

EPA Waste No.

F005

State Waste No.

1. Does this waste contain spent solvents (F001 through F005)? Y ☒ N ☐Materials listed under the California list? Y ☐ N ☒2. Is this waste listed for Dioxin as defined in 40 CFR 262.31? (F020 - F023 and F026 - 28) Y ☐ N ☒3. Is this waste INFECTIOUS? Y ☐ N ☒Is it RADIOACTIVE? Y ☐ N ☒Does it contain PCB's > 50ppm? Y ☐ N ☒

4. If you answered yes to questions 2 or 3, DO NOT CONTINUE. Please contact your LAIDLAW Technical Sales Representative for assistance.

Chemical Constituents (Must Total 100%)

Physical Characteristics at 70°F

tyvek 80-90%  
plastic 10-30%  
paint (solvent based) 1-2%Physical State: Liquid ☐ Semisolid ☐ Solid ☒Layers: None ☐ Two ☐ Multilayers ☐Free Liquids (%) <1Precipitated Solids (%) ☐Viscosity: Low ☐ Medium ☐ High ☒Is Material Pumpable? Yes ☐ No ☒Polymerizable? Yes ☐ No ☐

Specific Weight (lbs./gal)

/OR Specific Gravity(g/cc) <1.0Appearance tyvek and plasticOdor ☐

Flash Point(cc): Exact

&lt;60°F

61°F - 100°F

101°F - 140°F

141°F - 200°F

>200°F ☒BTU/lb. > 5000Ash(%) > 5%Water(%) <1pH (avg) N/A

Range

to

Reactivity (Reactive with):

(Please Attach All MSDS's, Sample Analysis and Additional Info.)

Metals (ppm)

Total	TCLP
As	0
Ag	0
Cd	0
Ba	0
Pb	0

Total	TCLP
Cr(Total)	0
Cr(Hex)	0
Hg	0
Se	0

Total	Total
Be	Si
Ti	Na
Sb	Ni
S	Cu
P	Zn

Other: (Specify in PPM)

Free Cyanide <1Phenolics 0Total Cyanide <10PCB's 0Free Sulfide 0

Total Organic Halogens (%)

Fluorine <1Bromine <1Chlorine <1

I certify that all information on this form is complete and factual (including attached information) and is an accurate representation of the known and suspected hazards of the waste to be disposed.

Generators Signature

[Signature]

Date

7/7/92

Information Completed by:

Name:

Kyle Carter

Title:

Remedial Mgr.

Date:

06/18/92

STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
HAZARDOUS WASTE DIVISION  
P.O. BOX 82178  
BATON ROUGE, LOUISIANA 70884-2178

RECYCLE / REUSE

PLEASE PRINT OR TYPE (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-C039. Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 3		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address MARINE SHALE PROCESSORS, INC. 1000 P.O. BOX 400 SLICK H. FOSTER RD., BASTROP, LA 71222						A. State Manifest Document Number <b>LA A 3116050</b>			
4. Generator's Phone ( ) ( ) -						B. State Generator's ID			
5. Transporter 1 Company Name P.E. GRANT SPECIAL TRANSPORT, INC.				6. US EPA ID Number		C. State Transporter's ID			
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone ( ) ( ) -			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 50 EAST MORGAN CITY, LOUISIANA 70350				10. US EPA ID Number <b>LA 0981867708</b>		E. State Facility's ID			
						F. Facility's Phone ( ) ( ) -			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity	
a. WASTE COMPRESSION LIGNITE, B.O.D., INTERMEDIATE EXTINGUISHED, COMBUSTIBLE HIGH FLAMMABLE						1		1	
b. EXTINGUISHED WASTE LIGNITE, B.O.D., INTERMEDIATE, NON-FLAMMABLE						1		1	
c. WASTE WASTE LIGNITE, B.O.D., INTERMEDIATE, CHLORINE, EXTINGUISHED						6		330	
d. EXTINGUISHED WASTE LIGNITE, B.O.D., INTERMEDIATE, COMBUSTIBLE						1		1	
J. Additional Descriptions for Materials Listed Above a. EPCIN-2801501542 b. EPCIN-2801501542 c. EPCIN-2801501542 d. EPCIN-2801501542						K. Handling Codes for Wastes Listed Above a. HX33 b. HX33 c. HX33 d. HX33			
3. Special Handling Instructions and Additional Information It is certified by the generator that the contents of this manifest are true and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable means of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. If I am a small quantity generator, I have made a good faith effort to minimize waste generation and select the best waste management method that is available to me and that I can afford.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this manifest are true and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in proper condition for transport by highway according to applicable international and national government regulations.				Printed/Typed Name RICHARD J. JONES		Signature <i>Richard Jones</i>		Month Day Year 12/1/92	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name R. J. Jones		Signature <i>R. J. Jones</i>		Month Day Year 12/1/92	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name				Signature		Month Day Year			

RECYCLE / REUSE

Form Approved. OMB No. 2050-0039. Expires 9-30-92

PRINT OR TYPE (Form designed for use on elite (12-pitch) typewriter.)

[illegible]

EPA Form 8700-22 k (Rev. 9/88) Previous edition is obsolete.

**COPY 8: GENERATOR RETAINS**

DEQ FORM HW-3 (R 9/89)

**COPY 3**

STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
HAZARDOUS WASTE DIVISION  
P.O. BOX 82178  
BOULDER, LOUISIANA 70884-2178

RECYCLE / REUSE

Form Approved, OMB No. 2050-0039, Expires 9-30-92

UNIFORM OR TYPE (Form designed for use on elite (12-pitch) typewriter.)

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of 4

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number

**LA A 3116037**

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

**1504 CH EAST**

3. Generator's Name and Mailing Address

**LAIDLAW ENVIRONMENTAL SERVICES, INC.**  
P.O. BOX 100000, SUITE 100, BOULDER, LA 70802

4. Generator's Phone

5. Transporter 1 Company Name

**J. H. HART SPECIAL TRANSPORT, INC.**

6. US EPA ID Number

**LA 008105770**

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

**MAINE SHALE PROCESSORS, INC.**  
**HIGHWAY 66 EAST**  
**MORGAN CITY, LOUISIANA 70302**

10. US EPA ID Number

**LA 008105770**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers  
No. Type

13. Total Quantity

14. Unit Wt/Vol

Waste No.

**SEALED DRUMS OF FLUORIDE OIL, NON FLUORIDATED**

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**HAZARDOUS FL**

RECYCLE, REUSE

PRINT OR TYPE (Form designed for use on elite (12-pitch) typewriter.)

IF SPILLED IN LOUISIANA CALL  
E. LOUISIANA HAZMAT UNIT AT 504/925-6595 (24 HOURS OR NIGHT)